

Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free ab247585

リコンビナント **RabMAb**

画像数 8

製品の概要

製品名	Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR3198] to Cullin 4A/CUL-4A - BSA and Azide free
由来種	Rabbit
特異性	The immunogen used for this product shares 93% homology with Cul4B. Cross-reactivity with Cul4B has been observed using overexpression vectors but not on endogenous samples.
アプリケーション	適用あり: IHC-P, IP, WB 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa, A375, 293T, HEK-293 transfected with human full length Cul4A and Cul4B expression vectors whole cell lysates. IHC-P: Human breast carcinoma, Hepatocellular carcinoma, Colonic adenocarcinoma, Ovarian carcinoma tissue. IP: HeLa.
特記事項	<p>ab247585 is the carrier-free version of ab92554.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply

- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Affinity purified
ポリ/モノ	モノクローナル
クローン名	EPR3198
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab247585の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 88 kDa.

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能 Core component of multiple cullin-RING-based E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The E3 ubiquitin-protein ligase activity of the complex is dependent on the neddylation of the cullin subunit and is inhibited by the association of the deneddylated cullin subunit with TIP120A/CAND1. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. DCX(DET1-COP1) directs

ubiquitination of JUN. DCX(DDB2) directs ubiquitination of XPC. In association with RBX1, DDB1 and DDB2 is required for histone H3 and histone H4 ubiquitination in response to ultraviolet and may be important for subsequent DNA repair. DCX(DTL) plays a role in PCNA-dependent polyubiquitination of CDT1 and MDM2-dependent ubiquitination of TP53 in response to radiation-induced DNA damage and during DNA replication. In association with DDB1 and SKP2 probably is involved in ubiquitination of CDKN1B/p27kip. Is involved in ubiquitination of HOXA9.

パスウェイ

Protein modification; protein ubiquitination.

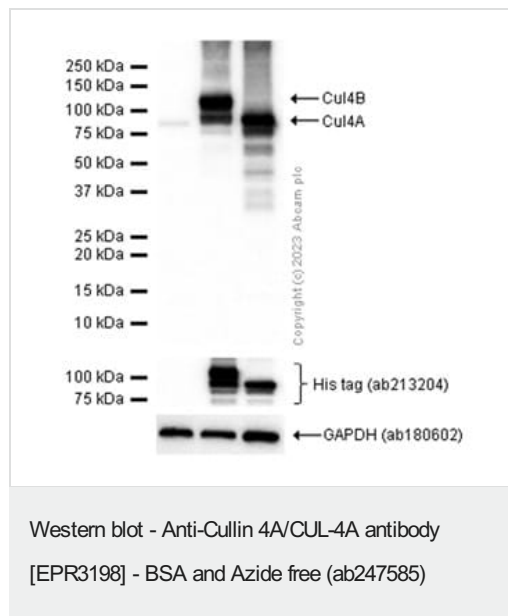
配列類似性

Belongs to the cullin family.

翻訳後修飾

Neddylated. Deneddylated via its interaction with the COP9 signalosome (CSN) complex (By similarity). Deneddylated by Epstein-Barr virus BPLF1 leading to a S-phase-like environment that is required for efficient replication of the viral genome.

画像



All lanes : Anti-Cullin 4A/CUL-4A antibody [EPR3198] ([ab92554](#)) at 1/10000 dilution

Lane 1 : HEK-293 (Human embryonic kidney epithelial cell) transfected with blank vectors whole cell lysate

Lane 2 : HEK-293 (Human embryonic kidney epithelial cell) transfected with human full length Cul4B expression vectors whole cell lysate

Lane 3 : HEK-293 (Human embryonic kidney epithelial cell) transfected with human full length Cul4A expression vectors whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 88 kDa

Observed band size: 104,88 kDa

Exposure time: 1 second

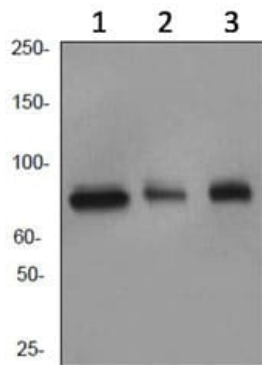
Blocking buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Ab92554 recognizes human Cul4A and Cul4B overexpression vectors.

ab180602 was used as a loading control.

This data was developed using **ab92554**, the same antibody clone in a different buffer formulation.



Western blot - Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

All lanes : Anti-Cullin 4A/CUL-4A antibody [EPR3198] (**ab92554**) at 1/20000 dilution

Lane 1 : Hela cell lysate

Lane 2 : A375 cell lysate

Lane 3 : 293T cell lysate

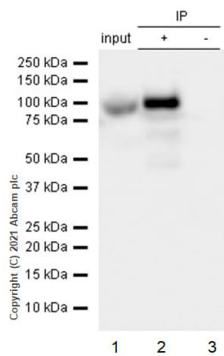
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 88 kDa

This data was developed using **ab92554**, the same antibody clone in a different buffer formulation.



Immunoprecipitation - Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

This data was developed using **ab92554**, the same antibody clone in a different buffer formulation.

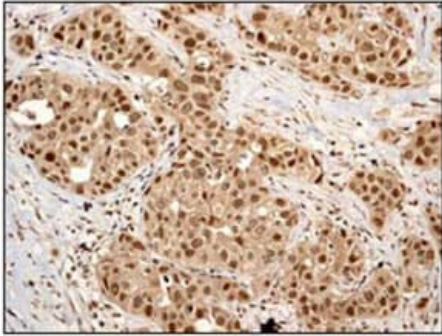
Cullin 4A/CUL-4A was immunoprecipitated from 0.35 mg HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg with **ab92554** at 1/50 dilution (2µg). VeriBlot for IP Detection Reagent (HRP)(**ab131366**) was used at 1/5000 dilution.

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate 10 µg

Lane 2: ab92554 IP in HeLa whole cell lysate

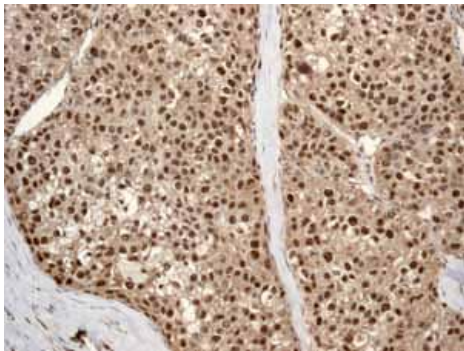
Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab92554** in HeLa whole cell lysate

Blocking and dilution buffer and concentration: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

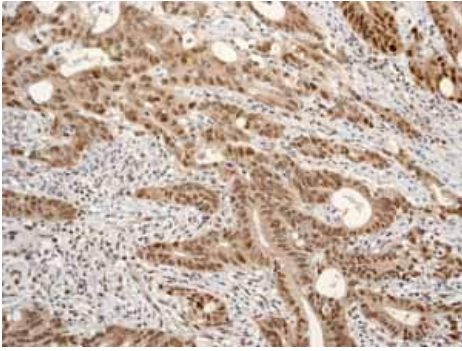
This data was developed using [ab92554](#), the same antibody clone in a different buffer formulation. [ab92554](#) at 1/100 dilution staining Cullin 4A/CUL-4A in Human breast carcinoma by Immunohistochemistry Formalin-fixed, Paraffin-embedded tissue. Detection: DAB staining. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

This data was developed using [ab92554](#), the same antibody clone in a different buffer formulation. [ab92554](#) showing positive staining in Hepatocellular carcinoma tissue.

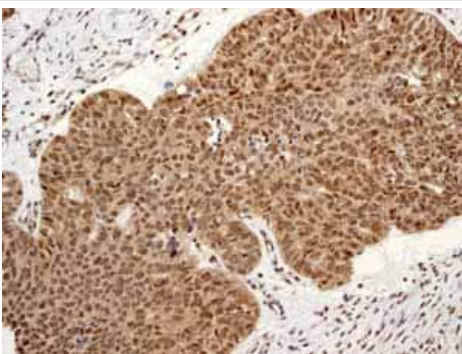
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

This data was developed using [ab92554](#), the same antibody clone in a different buffer formulation. [ab92554](#) showing positive staining in Colonic adenocarcinoma tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

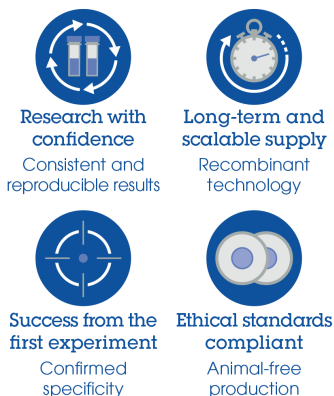


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

This data was developed using [ab92554](#), the same antibody clone in a different buffer formulation. [ab92554](#) showing positive staining in Ovarian carcinoma tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Anti-Cullin 4A/CUL-4A antibody [EPR3198] - BSA and Azide free (ab247585)

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