

Product datasheet

Anti-Cullin 3 antibody [EPR3196Y] ab75851

リコンビナント RabMAb[®]

★★★★★ 2 Abreviews 4 References 画像数 2

製品の概要

製品名	Anti-Cullin 3 antibody [EPR3196Y]
製品の詳細	Rabbit monoclonal [EPR3196Y] to Cullin 3
由来種	Rabbit
アプリケーション	適用あり: WB, IP, Flow Cyt 適用なし: ICC or IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human Cullin 3 aa 750-850 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	HeLa, SH-SY5Y, PC12 and 3T3 cell lysates.
特記事項	

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

This product is a recombinant rabbit monoclonal antibody.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR3196Y
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab75851** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

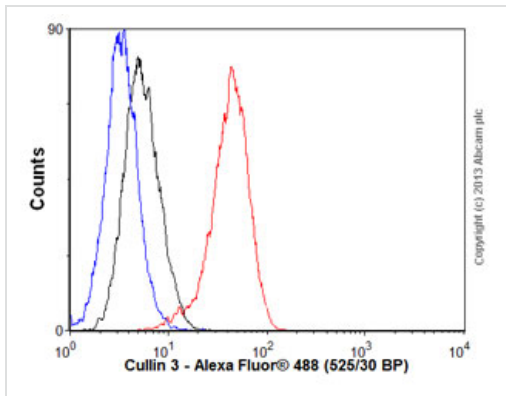
アプリケーション	Abreviews	特記事項
WB	★★★★★	1/20000 - 1/100000. Predicted molecular weight: 89 kDa.
IP		1/40.
Flow Cyt		1/30 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

追加情報 Is unsuitable for ICC or IHC-P.

ターゲット情報

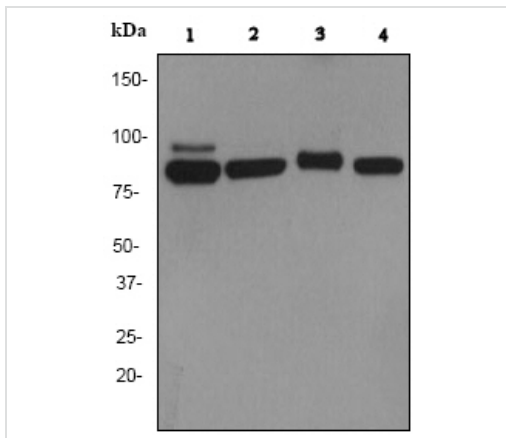
機能	Core component of multiple cullin-RING-based BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complexes which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating 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 (By similarity). The functional specificity of the BCR complex depends on the BTB domain-containing protein as the substrate recognition component. BCR(SPOP) is involved in ubiquitination of BMI1/PCGF4, H2AFY and DAXX, and probably GLI2 or GLI3. BCR(KLHL9-KLHL13) controls the dynamic behavior of AURKB on mitotic chromosomes and thereby coordinates faithful mitotic progression and completion of cytokinesis. Involved in ubiquitination of cyclin E and of cyclin D1 (in vitro) thus involved in regulation of G1/S transition.
組織特異性	Widely expressed.
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. Attachment of NEDD8 is required for the E3 ubiquitin-protein ligase activity of the BCR complex. Deneddylated via its interaction with the COP9 signalosome (CSN) complex.
細胞内局在	Nucleus. Golgi apparatus.

画像



Flow Cytometry - Anti-Cullin 3 antibody [EPR3196Y] (ab75851)

Overlay histogram showing HeLa cells stained with ab75851 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab75851, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (ab150077) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Western blot - Anti-Cullin 3 antibody [EPR3196Y] (ab75851)

All lanes : Anti-Cullin 3 antibody [EPR3196Y] (ab75851) at 1/20000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : SH-SY5Y cell lysate

Lane 3 : PC12 cell lysate

Lane 4 : 3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 89 kDa

Observed band size: 82,90 kDa

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