

Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y-129R] ab81278

リコンビナント **RabMAb**

31 References 画像数 5

製品の概要

製品名	Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y-129R]
製品の詳細	Rabbit monoclonal [EP435Y-129R] to CDKN2A/p16INK4A +CDKN2B/p15INK4B
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), WB, ICC/IF, IP 適用なし: IHC-P
種交差性	交差種: Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	HeLa cells and 293 cell lysate WB: Human CDKN2A full-length recombinant protein with His-tag, Human CDKN2B full-length recombinant protein with GST-tag
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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 .

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	EP435Y-129R
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ab81278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。

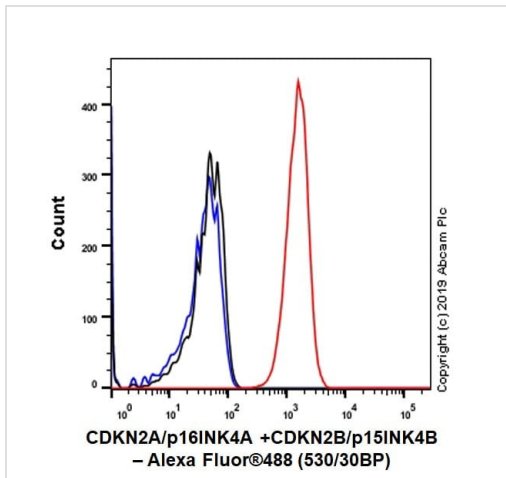
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/50 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/2000. Predicted molecular weight: 17 kDa.
ICC/IF		1/100 - 1/500.
IP		Use at an assay dependent concentration.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

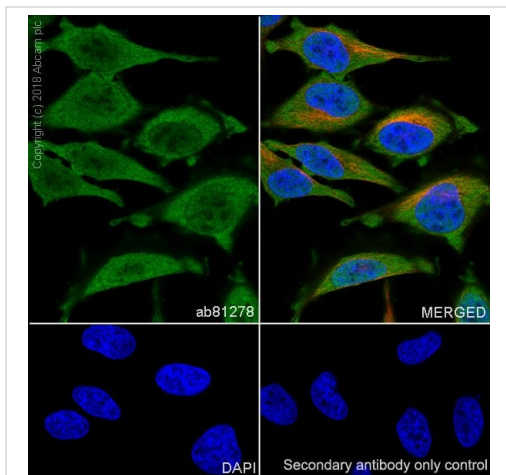
機能	Acts as a negative regulator of the proliferation of normal cells by interacting strongly with CDK4 and CDK6. This inhibits their ability to interact with cyclins D and to phosphorylate the retinoblastoma protein.
組織特異性	Widely expressed but not detected in brain or skeletal muscle. Isoform 3 is pancreas-specific.
関連疾患	The association between cutaneous and uveal melanomas in some families suggests that mutations in CDKN2A may account for a proportion of uveal melanomas. However, CDKN2A mutations are rarely found in uveal melanoma patients. Melanoma, cutaneous malignant 2 Familial atypical multiple mole melanoma-pancreatic carcinoma syndrome Melanoma-astrocytoma syndrome
配列類似性	Belongs to the CDKN2 cyclin-dependent kinase inhibitor family. Contains 4 ANK repeats.
翻訳後修飾	Phosphorylation seems to increase interaction with CDK4.
細胞内局在	Cytoplasm. Nucleus.

画像



Flow Cytometry (Intracellular) - Anti-
CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody
[EP435Y-129R] (ab81278)

Flow cytometric analysis of 4% paraformaldehyde fixed and 90% methanol permeabilised HEK-293 (Human embryonic kidney epithelial cell) with ab81278 at 1/20 dilution (red) compared with a Rabbit monoclonal IgG ([ab172730](#)) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) at 1/2000 dilution was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-
CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody
[EP435Y-129R] (ab81278)

Immunofluorescent analysis of 4% Paraformaldehyde fixed 0.1% Triton X-100 permeabilised HeLa (human cervix adenocarcinoma epithelial cell) labelling CDKN2A/p16INK4a with ab81278 at 1/250 dilution, followed by AlexaFluor® 488 Goat anti-Rabbit secondary antibody ([ab150077](#)) at 1/1000 dilution (green). Confocal image showing cytoplasmic and nuclear staining in HeLa is observed. Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) ([ab195889](#)) was used to counterstain alpha Tubulin at 1/200 dilution (red). The Nuclear counterstain was DAPI (blue).

Secondary antibody only control: Secondary antibody is AlexaFluor® 488 Goat anti-Rabbit secondary antibody ([ab150077](#)) at 1/1000 dilution (green).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology

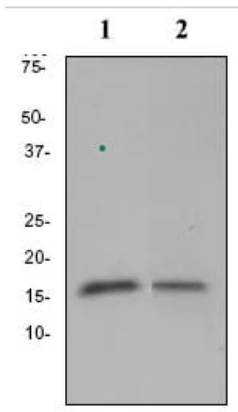


Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B
antibody [EP435Y-129R] (ab81278)



Western blot - Anti-CDKN2A/p16INK4A
+ CDKN2B/p15INK4B antibody [EP435Y-129R]
(ab81278)

All lanes : Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B
antibody [EP435Y-129R] (ab81278) at 1/20000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : 293 cell lysate

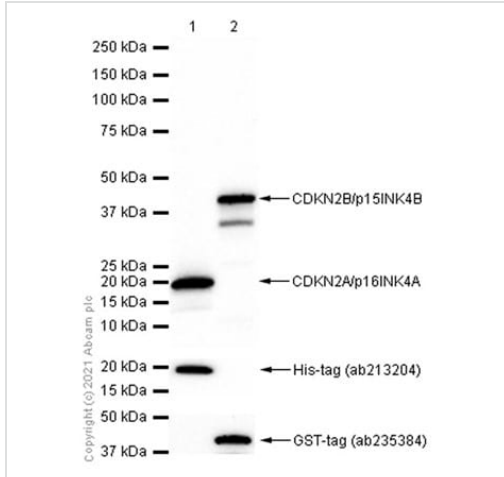
Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 17 kDa

Observed band size: 17 kDa



Western blot - Anti-CDKN2A/p16INK4a antibody
[EP435Y-129R] (ab81278)

All lanes : Anti-CDKN2A/p16INK4A + CDKN2B/p15INK4B antibody [EP435Y-129R] (ab81278) at 1/1000 dilution

Lane 1 : Human CDKN2A full-length recombinant protein with His-tag

Lane 2 : Human CDKN2B full-length recombinant protein with GST-tag

Secondary

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

Predicted band size: 17 kDa

Observed band size: 17, 40 kDa

Exposure time: 10 seconds

5% NFDM/TBST was used as blocking and diluting buffer.

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