

Product datasheet

Anti-SIRT2 antibody [EP1668Y] ab51023

リコンビナント RabMAb®

★★★★☆ 4 Abreviews 4 References 画像数 3

製品の概要

製品名	Anti-SIRT2 antibody [EP1668Y]
製品の詳細	Rabbit monoclonal [EP1668Y] to SIRT2
由来種	Rabbit
アプリケーション	適用あり: WB, IP, Flow Cyt, ICC/IF 適用なし: IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide within Human SIRT2 (C terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: SKBR-3 cell lysate ICC/IF: PC 12 cells Flow Cyt: HeLa cells
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP1668Y
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab51023** in the following tested applications.

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

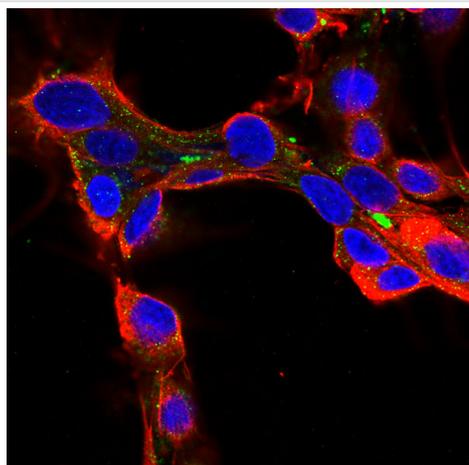
アプリケーション	Abreviews	特記事項
WB	★★★★☆	1/1000. Detects a band of approximately 36 kDa (predicted molecular weight: 43 kDa).
IP	★★★★★	1/50.
Flow Cyt		1/30. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100 - 1/250.

追加情報 Is unsuitable for IHC-P.

ターゲット情報

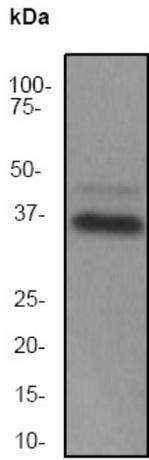
機能	NAD-dependent protein deacetylase, which deacetylates the 'Lys-40' of alpha-tubulin. Involved in the control of mitotic exit in the cell cycle, probably via its role in the regulation of cytoskeleton.
組織特異性	Widely expressed. Highly expressed in heart, brain and skeletal muscle, while it is weakly expressed in placenta and lung. Down-regulated in many gliomas suggesting that it may act as a tumor suppressor gene in human gliomas possibly through the regulation of microtubule network.
配列類似性	Belongs to the sirtuin family. Contains 1 deacetylase sirtuin-type domain.
発生段階	Peaks during mitosis. After mitosis, it is probably degraded by the 26S proteasome.
翻訳後修飾	Phosphorylated at the G2/M transition of the cell cycle.
細胞内局在	Cytoplasm > cytoskeleton. Colocalizes with microtubules.

画像



Immunofluorescence staining of PC-12 cells using ab51023 (green) at a dilution of 1/250. The cells were fixed in 4% PFA and counter stained with an anti-tubulin antibody (red) and DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Anti-SIRT2 antibody [EP1668Y] (ab51023)



Anti-SIRT2 antibody [EP1668Y] (ab51023) at 1/1000 dilution + SKBR-3 cell lysate at 10 µg

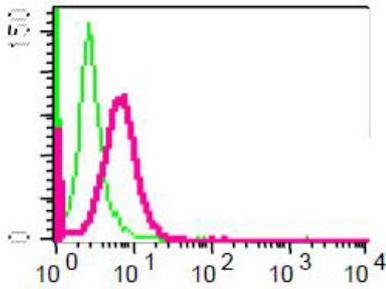
Secondary

Goat anti-rabbit HRP labeled at 1/2000 dilution

Predicted band size: 43 kDa

Observed band size: 36 kDa

Western blot - Anti-SIRT2 antibody [EP1668Y] (ab51023)



Flow cytometry analysis of permeabilized Hela cells using anti-SIRT2 (red)(ab51023) or a rabbit IgG (negative)(green).

Flow Cytometry - Anti-SIRT2 antibody [EP1668Y] (ab51023)

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