abcam

Product datasheet

Anti-XRCC1 antibody [EPR4389(2)] ab134056

リコンビナント RabMAb

3 Abreviews 16 References 画像数 8

製品の概要

製品名	Anti-XRCC1 antibody [EPR4389(2)]
製品の詳細	Rabbit monoclonal [EPR4389(2)] to XRCC1
由来種	Rabbit
アプリケーション	**適用あり:** WB, IHC-P, ICC/IF **適用なし:** Flow Cyt or IP
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human XRCC1 aa 1-100 (N terminal). The exact sequence is proprietary.
ポジティブ・コントロール	WB: HeLa, A375, Saos-2, PC-12 and NIH/3T3 cell lysates. Mouse brain and kidney tissue lysate IHC-P: Human testis tissue. ICC/IF: HeLa, PC-12 and NIH/3T3 cells.
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. 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: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 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	EPR4389(2)
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ab134056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。

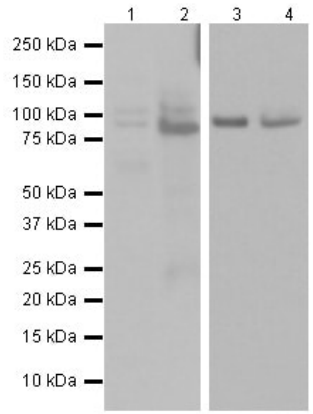
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Predicted molecular weight: 69 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	1/100 - 1/250.

追加情報 Is unsuitable for Flow Cyt or IP.

ターゲット情報

機能	Corrects defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents.
配列類似性	Contains 2 BRCT domains.
翻訳後修飾	Phosphorylation of Ser-371 causes dimer dissociation. Phosphorylation by CK2 promotes interaction with APTX and APLF. Sumoylated.
細胞内局在	Nucleus. Accumulates at sites of DNA damage.

画像



Western blot - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

All lanes : Anti-XRCC1 antibody [EPR4389(2)] (ab134056) at 1/2000 dilution (purified)

Lane 1 : Mouse brain tissue lysate

Lane 2 : Mouse kidney lysate

Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate

Lane 4 : NIH/3T3(Mouse embryonic fibroblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

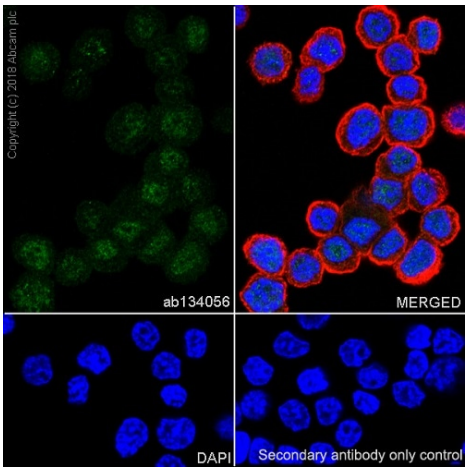
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated(Pierce) at 1/1000 dilution

Predicted band size: 69 kDa
Observed band size: 85 kDa

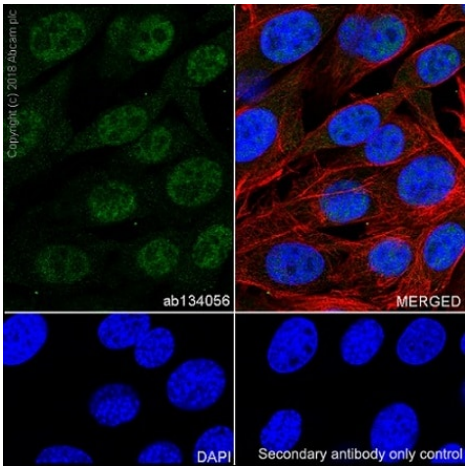
Blocking/Diluting buffer: 5% NFDM /TBST

Exposure time:
Lanes 1-2: 3 minutes
Lanes 3-4: 20 seconds



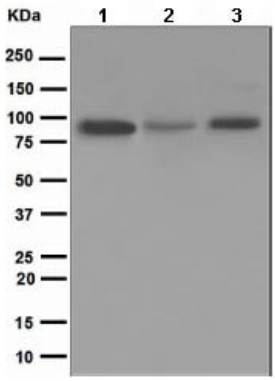
Immunocytochemistry/ Immunofluorescence - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

Immunocytochemistry/Immunofluorescence analysis of PC-12(Rat adrenal gland pheochromocytoma) labelling with ab134056 at a dilution of 1/50 dilution (4.66 µg/mL). Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) (1/1000 dilution (2 µg/mL)) was used as the secondary antibody. The cells were co-stained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Nuclei counterstained with DAPI (blue). Control: PBS instead of the primary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

Immunocytochemistry/Immunofluorescence analysis of NIH/3T3(Mouse embryonic fibroblast) labelling with ab134056 at a dilution of 1/50 (4.66 µg/mL). Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/1000 dilution (2 µg/mL)) was used as the secondary antibody. The cells were co-stained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Nuclei counterstained with DAPI (blue). Control: PBS instead of the primary antibody.



Western blot - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

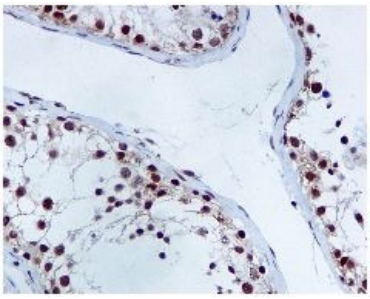
All lanes : Anti-XRCC1 antibody [EPR4389(2)] (ab134056) at 1/1000 dilution

Lane 1 : HeLa cell lysate
Lane 2 : A375 cell lysate
Lane 3 : Saos-2 cell lysate

Lysates/proteins at 10 µg per lane.

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

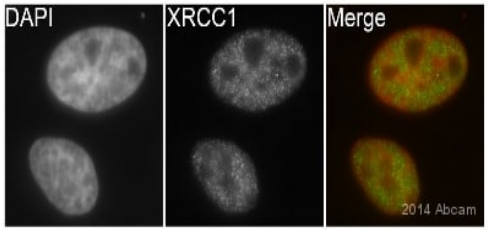
Predicted band size: 69 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labelling XRCC1 with ab134056 at 1/250 dilution.

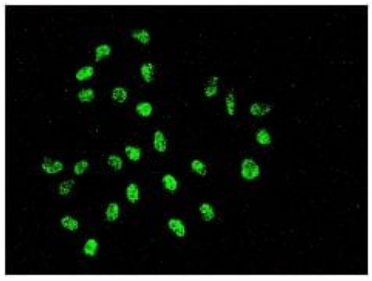
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

This image is courtesy of an Abreview submitted by Kirk McManus

ab134056 staining XRCC1 in human HeLa cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with paraformaldehyde and permeabilized with 0.5% Triton X-100 in PBS. Samples were incubated with primary antibody (1/200 in PBS) for 1 hour at 22°C. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. Counterstained with DAPI.



Immunocytochemistry/ Immunofluorescence - Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

Immunofluorescent analysis of HeLa cells labelling XRCC1 with ab134056 at 1/100 dilution.

Anti-XRCC1 antibody [EPR4389(2)] (ab134056)

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