

Product Datasheet

APE Antibody (12H1) NBP2-76919

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-76919

APE Antibody (12H1)

Product Information

Unit Size	100 ul
Concentration	2 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	12H1
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Purity	Immunogen affinity purified
Buffer	PBS (pH7.4), 0.2% BSA, 50% Glycerol
Target Molecular Weight	36 kDa

Product Description

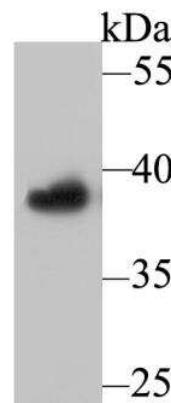
Host	Mouse
Gene Symbol	APEX1
Species	Human, Mouse
Reactivity Notes	Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-questions.
Immunogen	Recombinant protein within Human APE aa 20-350. (SwissProt: P27695 Human; SwissProt: P28352 Mouse)

Product Application Details

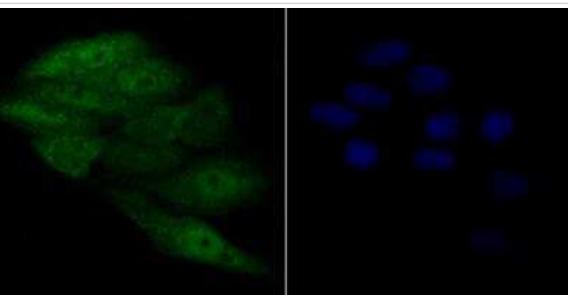
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:50-1:200

Images

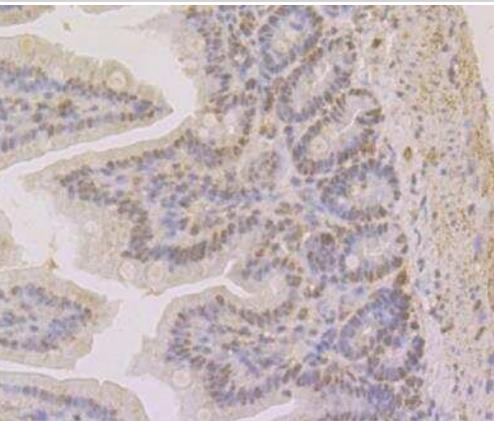
Western Blot: APE Antibody (12H1) [NBP2-76919] - Western blot analysis of APE1 on HL-60 lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:1,000 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:5,000 dilution was used for 1 hour at room temperature.



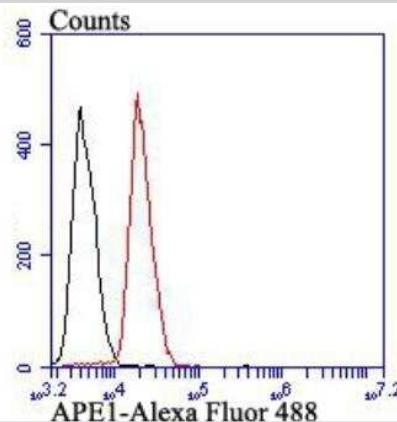
Immunocytochemistry/Immunofluorescence: APE Antibody (12H1) [NBP2-76919] - ICC staining APE1 in SiHa cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with APE1 monoclonal antibody at a dilution of 1:50 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Mouse IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



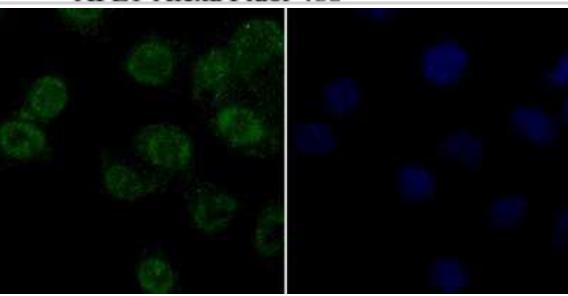
Immunohistochemistry: APE Antibody (12H1) [NBP2-76919] - Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-APE1 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.



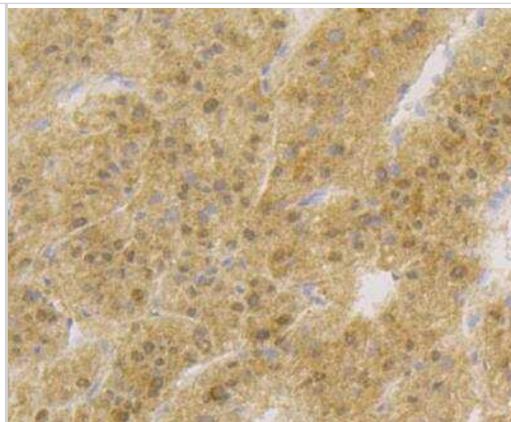
Flow Cytometry: APE Antibody (12H1) [NBP2-76919] - Flow cytometric analysis of APE1 was done on SiHa cells. The cells were fixed, permeabilized and stained with APE1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). After incubation of the primary antibody on room temperature for an hour, the cells was stained with a Alexa Fluor 488-conjugated goat anti-mouse IgG Secondary antibody at 1/500 dilution for 30 minutes.



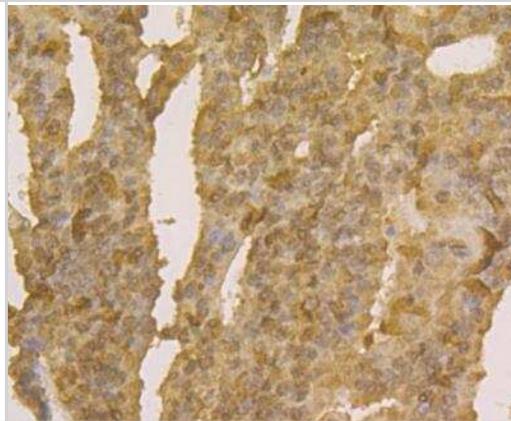
Immunocytochemistry/Immunofluorescence: APE Antibody (12H1) [NBP2-76919] - ICC staining APE1 in A549 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with APE1 monoclonal antibody at a dilution of 1:50 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Mouse IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



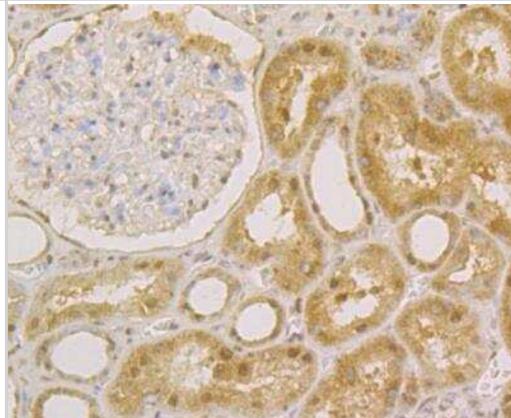
Immunohistochemistry: APE Antibody (12H1) [NBP2-76919] -
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-APE1 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.



Immunohistochemistry: APE Antibody (12H1) [NBP2-76919] -
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-APE1 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.



Immunohistochemistry: APE Antibody (12H1) [NBP2-76919] -
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-APE1 antibody. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chrogen. Counter stained with hematoxylin and mounted with DPX.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Limitations

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