

# Product Datasheet

## APE Antibody (12H2-R) NBP3-32043

Unit Size: 100 ul

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

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**NBP3-32043**

APE Antibody (12H2-R)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	12H2-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	36 kDa
Product Description	
Host	Mouse
Gene ID	328
Gene Symbol	APEX1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human APE aa 20-318/318. (Uniprot: P27695)
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:200-1:1000



## Images

**Western Blot: APE Antibody (12H2-R) [NBP3-32043]** - Western blot analysis of APE on different lysates with Mouse anti-APE antibody (NBP3-32043) at 1/1,000 dilution.

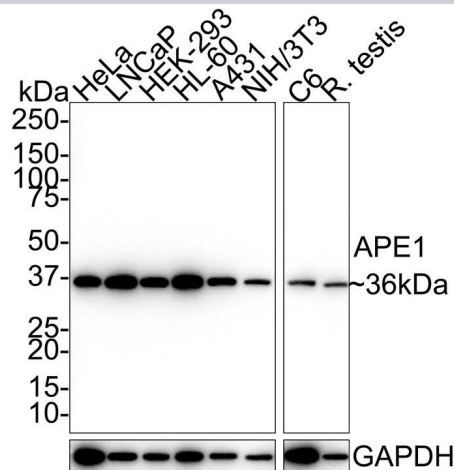
Lane 1: HeLa cell lysate (20 ug/Lane)  
 Lane 2: LNCaP cell lysate (20 ug/Lane)  
 Lane 3: HEK-293 cell lysate (20 ug/Lane)  
 Lane 4: HL-60 cell lysate (20 ug/Lane)  
 Lane 5: A431 cell lysate (20 ug/Lane)  
 Lane 6: NIH/3T3 cell lysate (20 ug/Lane)  
 Lane 7: C6 cell lysate (20 ug/Lane)  
 Lane 8: Rat testis tissue lysate (40 ug/Lane)

Predicted band size: 36 kDa  
 Observed band size: 36 kDa

Exposure time: 3 minutes;

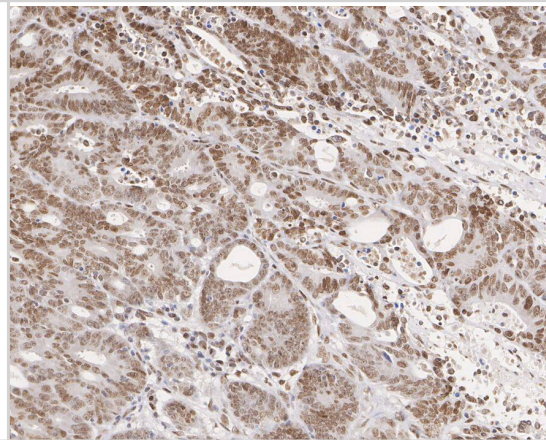
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32043) at 1/1,000 dilution was used in 5% NFDM/TBST at 4C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



**Immunohistochemistry: APE Antibody (12H2-R) [NBP3-32043]** - Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with Mouse anti-APE antibody (NBP3-32043) at 1/1,000 dilution.

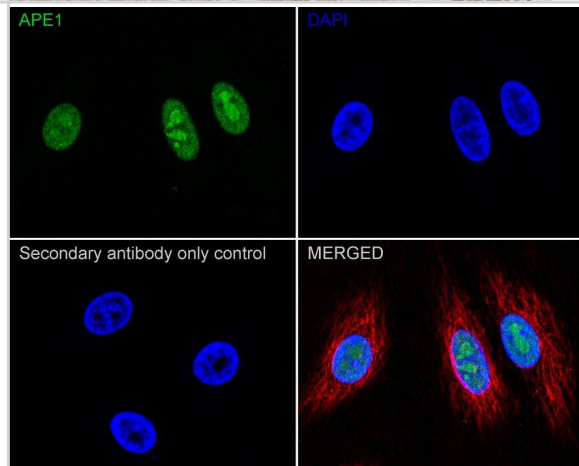
The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32043) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Immunocytochemistry/ Immunofluorescence: APE Antibody (12H2-R) [NBP3-32043]** - Immunocytochemistry analysis of A549 cells labeling APE with Mouse anti-APE antibody (NBP3-32043) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-APE antibody (NBP3-32043) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### Products Related to NBP3-32043

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-72280-50ug	Recombinant Human APE T7 Protein

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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