

# Product Datasheet

## APE Antibody - BSA Free NBP2-54653

Unit Size: 100 ul

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

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**NBP2-54653**

APE Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

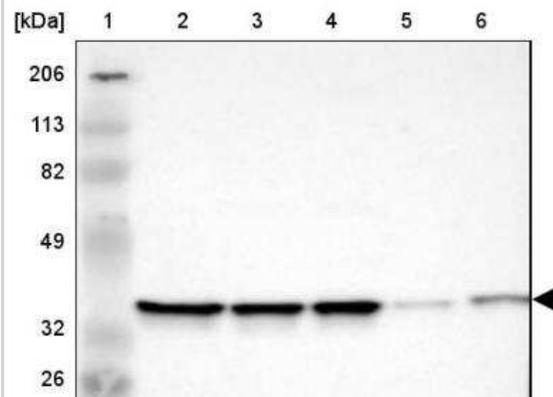
Product Description	
Description	Novus Biologicals Rabbit APE Antibody - BSA Free (NBP2-54653) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	328
Gene Symbol	APEX1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against a Recombinant Protein corresponding to amino acids: KLP AELQELPGLSHQYWSAPSDKEGYSGVGLLSRQCPLKVSYGIGDEEHDQE GRVIVAEFDSFVLVTAYVNPAGRGLVRLEYRQRWDEAFRKFLKGLASRKPLVL CGDLNVAHEEIDLRNPKGNKKNAGFTPQERQGFCELLQAVPLAD

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

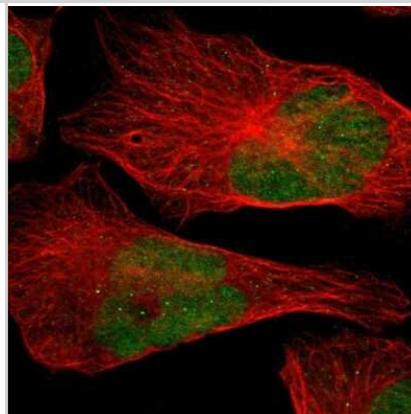


## Images

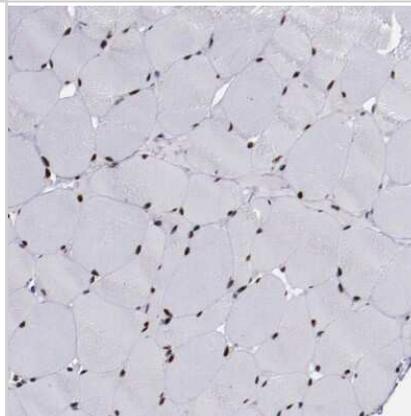
Western Blot: APE Antibody [NBP2-54653] - Lane 1: Marker [kDa] 206, 113, 82, 49, 32, 26, 18 Lane 2: Human cell line RT-4 Lane 3: Human cell line U-251MG sp Lane 4: Human cell line A-431 Lane 5: Human liver tissue Lane 6: Human tonsil tissue



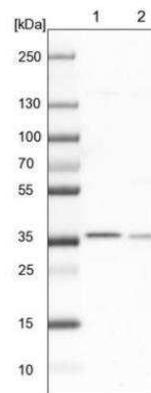
Immunocytochemistry/Immunofluorescence: APE Antibody [NBP2-54653] - Immunofluorescent staining of human cell line U-2 OS shows localization to nucleus.



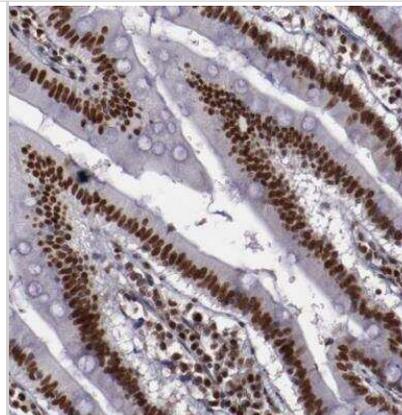
Immunohistochemistry-Paraffin: APE Antibody [NBP2-54653] - Staining of human skeletal muscle shows low expression as expected.



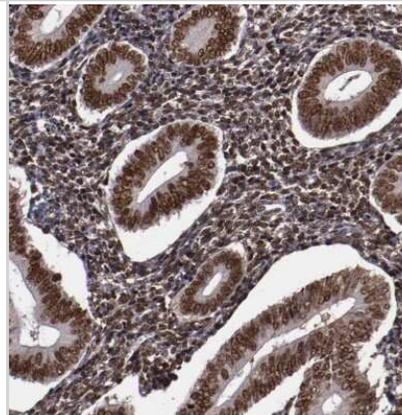
Western Blot: APE Antibody [NBP2-54653] - Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells)



Immunohistochemistry-Paraffin: APE Antibody [NBP2-54653] - Staining of human small intestine shows strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: APE Antibody [NBP2-54653] - Staining of human endometrium shows high expression.

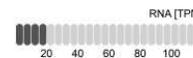
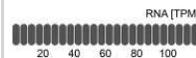


Immunohistochemistry-Paraffin: APE Antibody [NBP2-54653] - Staining in human endometrium and skeletal muscle tissues using anti-APEX1 antibody. Corresponding APEX1 RNA-seq data are presented for the same tissues.



APEX1 in Endometrium

APEX1 in Skeletal muscle





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### **Products Related to NBP2-54653**

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NBP2-54653PEP	APE Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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