

Product Datasheet

PTPN13/PTPL1 Antibody NB100-56140

Unit Size: 0.05 ml

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

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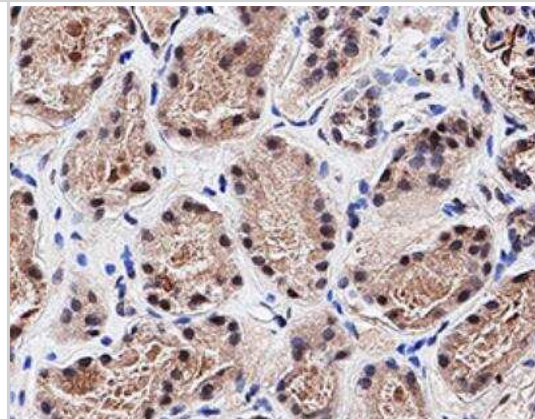
NB100-56140**PTPN13/PTPL1 Antibody**

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
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	Unpurified
Buffer	Whole antisera
Product Description	
Host	Rabbit
Gene ID	5783
Gene Symbol	PTPN13
Species	Human
Immunogen	A synthetic peptide corresponding to amino acids 1760-1775 (EPTRQENWTPLKNDLE) of human FAP-1 was used as immunogen; GenBank no. NP_542414.1. This peptide sequence is conserved in multiple isoforms of FAP-1. These FAP-1 isoforms are of varying amino acid (aa) lengths and include: (1) NP_542414.1 = 2485 aa, FAP-1 isoform 1. (2) BAD92141.1 = 2434 aa, FAP-1 isoform 2. (3) NP_542415.1 = 2294 aa, FAP-1 isoform 3. (4) NP_542416.1 = 2490 aa, FAP-1 isoform 4. (5) AAH39610.1 = 604 aa, FAP-1. (6) AAF63474.1 = 499 aa, FAP-1. For additional information on FAP-1 isoforms, users are encouraged to use the NCBI data bases such as AceView (http://www.ncbi.nlm.nih.gov/IEB/Research/Acembly/) or BLAST (http://www.ncbi.nlm.nih.gov/BLAST/).
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000
Application Notes	FAP-1 typically migrates at ~270 kDa on western blots. Thus for SDS-PAGE and western blot, the researcher should use techniques optimized for the transfer of proteins with high molecular weights. The actual molecular weight of FAP-1 observed depends on the isoform expression.



Images

Immunohistochemistry-Paraffin: PTPN13/PTPL1 Antibody [NB100-56140] - IHC analysis of a formalin fixed paraffin-embedded (FFPE) human kidney using 1:1000 conc. of PTPN13 antibody on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Nuclear staining of PTPN13 was observed. Staining was performed by Histowiz.





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Products Related to NB100-56140

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-56140PEP	PTPN13/PTPL1 Antibody Blocking Peptide

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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