

Rabbit anti-Human PTPN13/PTPL1 Polyclonal Antibody | anti-PTPN13 antibody

Polyclonal Antibody to PTPN13/PTPL1 (FAP1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78354	Rabbit	Human	Western Blot, Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

PTPN13/PTPL1; Polyclonal Antibody; Polyclonal Antibody to PTPN13/PTPL1 (FAP1); PTPN13; PNP1; PTP1E; PTPL1; Fas-associated protein-tyrosine phosphatase 1; PTP-BAS; PTP-E1; Protein-tyrosine phosphatase 1E; Protein-tyrosine phosphatase PTPL1; Antibody to PTPN13/PTPL1 (FAP1); Anti-PTPN13/PTPL1 (FAP1) Antibody; PTPN13/PTPL1 (FAP1) Antibody; anti-PTPN13 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Serum
Form/Format	50 ul sera
Sequence Length	2485
Applicable Applications for anti-PTPN13 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)
Immunogen Information	A recombinant protein of human FAP-1 (amino acids 1279 to 1883) was used as immunogen for this antibody
Antigen	PTPN13/PTPL1 (FAP1)
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Fig: 3 Immunocytochemical analysis of FAP-1 in cell lines using at 1: 2000. In ovarian carcinoma cell lines FAP-1 expression was detected in SK-OV-3 and OVCAR-3, but not in BG-1 or HEY. Human 293 kidney and Jurkat T cell lines were used as positive and negative controls, respectively. The staining data correlates with the western blot data (figure to the left).



IHC (Immunohistochemistry)

Fig: 2 Immunohistochemistry of FAP-1 in formalin-fixed, paraffin embedded ovarian carcinoma cores from a tissue microarray using at 1: 2000. A-D, samples are from four different patients. A1-D1 are high magnification images from A-D, respectively. Hematoxylin-eosin counterstain.



WB (Western Blot)

Fig: 1 Western blot analysis of FAP-1 using at 1: 2000. In ovarian carcinoma cell lines FAP-1 expression was detected in SK-OV-3 and OVCAR-3, but not in BG-1 or HEY. Human Jurkat T and 293 kidney cell lines were used as negative and positive controls, respectively.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN13 antibody	This antibody recognizes FAP-1, including FAP-1 isoforms; FAP-1 (also known as Fas-associated phosphatase-1, PTPN13, PTP-BAS, hPTPIE, and PTPL1) is a member of the protein tyrosine phosphatase (PTP) family. FAP-1 phosphatase is thought to be important in the Fas signaling pathway. FAP-1 binds to the cytosolic tail of the Fas receptor (Apo1, CD95) and inhibits Fas-induced apoptosis. Increased FAP-1 protein levels in some tumor cell lines and tumor tissues correlates with resistance to Fas-mediated apoptosis. In general, FAP-1 expression has been found to be highest in cell lines and tissues that are relatively resistant to Fas-mediated apoptosis. Gene transfer-mediated elevations in FAP-1 partially abolished Fas-induced apoptosis in a T cell line which is consistent with an inhibitory effect of FAP-1 on Fas signal transductions. Additionally, FAP-1 expression correlates with Fas resistant in ovarian cancer cell lines and FAP-1 is commonly expression in ovarian cancers.
Product Categories/Family for anti-PTPN13 antibody	Antibodies ; Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	12643716
NCBI GeneID	5783
UniProt Accession #	Q12923 ; Q15159 ; Q15263 ; Q15264 ; Q15265 ; Q15674 ; Q16826 ; Q8IWH7 ; Q9NYN9 ; Q9UDA8 ; B2RTR0
Molecular Weight	277,508 Da
NCBI Official Full Name	Tyrosine-protein phosphatase non-receptor type 13
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 13
NCBI Official Symbol	PTPN13
NCBI Official Synonym Symbols	PNP1; FAP-1; PTP1E; PTPL1; PTPLE; PTP-BL; hPTP1E; PTP-BAS
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 13
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 13
UniProt Gene Name	PTPN13
UniProt Synonym Gene Names	PNP1; PTP1E; PTPL1; FAP-1; PTP-E1; hPTPE1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptpn13-tp11-antibody-western-blot-immunohistochemistry-immunoprecipitation-elisa/78354>