

Product datasheet for **AP22687PU-N**

PTPN13 (2290-2491) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Paraffin Sections: 10 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	PTPN13 antibody was raised against recombinant protein encoding aa 2290-2491 of human FAP-1
Specificity:	This antibody reacts to Fas-associated Protein Tyrosine Phosphatase 1 (FAP-1) (PTPN13) at aa 2290-2491.
Formulation:	10 mM PBS, pH 7.4, BSA, sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein tyrosine phosphatase, non-receptor type 13
Database Link:	Entrez Gene 5783 Human Q12923



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Background:

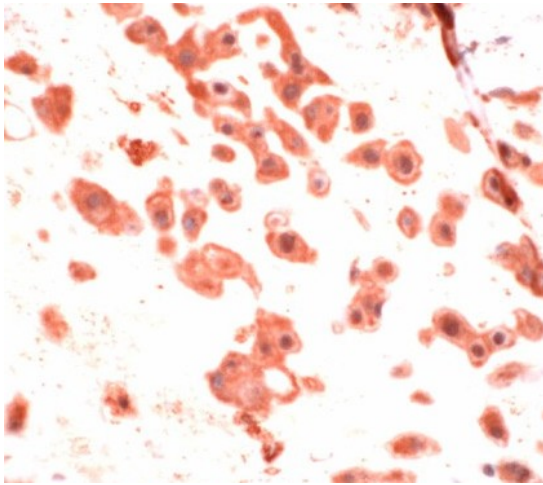
Fas-associated phosphatase-1 (FAP-1), a NT7 non-receptor protein tyrosine phosphatase, is comprised of a N-terminal FERM domain, five PDZ domains, and a C-terminal tyrosine phosphatase domain. The protein has been shown to bind the cytosolic tail of Fas (Apo1, CD95) and regulate Fas-induced apoptosis. Human tumor cell lines become resistant to Fas-mediated apoptosis when transfected with FAP-1, indicating that FAP-1 functions as a negative regulator in Fas-mediated death signaling. FAS resistance has been documented in a variety of cancers, including cancer of the lung, ovary, pancreas, and liver. At least three protein isoforms of FAP-1 have been reported. Alterations in FAP-1 expression have been shown to result in defects in cytokinesis.

Synonyms:

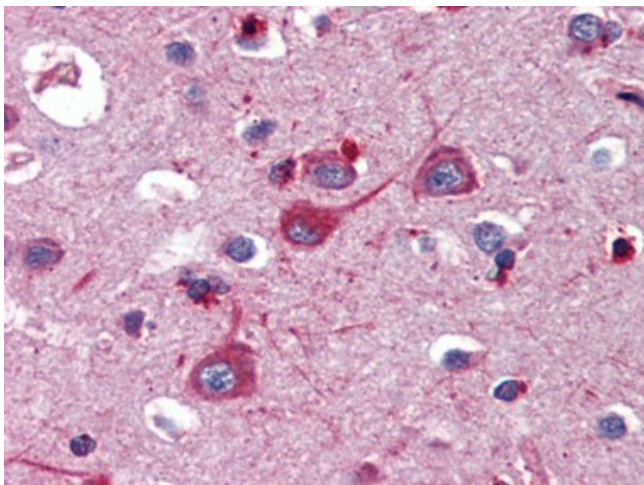
PTP-BAS, PNP1, PTP1E, PTP-E1, PTPL1, FAP1

Protein Families:

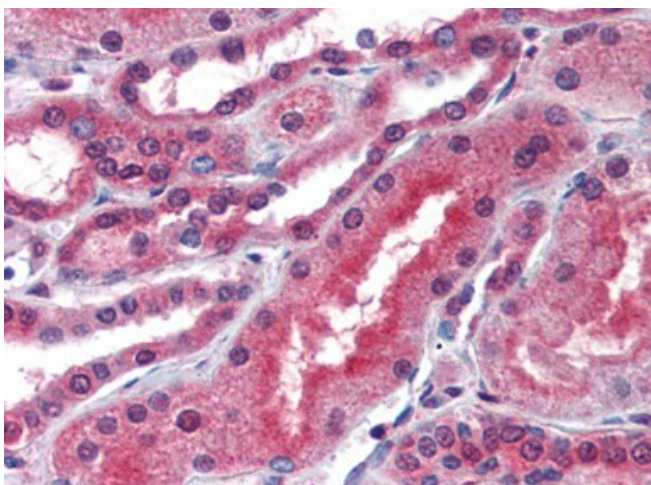
Druggable Genome, Phosphatase

Product images:

Human placenta stained with Anti-FAP-1 (AP22687PU-N)



Human Brain, Cortex (formalin-fixed, paraffin-embedded) stained with PTPN13 antibody AP22687PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Kidney (formalin-fixed, paraffin-embedded) stained with PTPN13 antibody AP22687PU-N at 10 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.