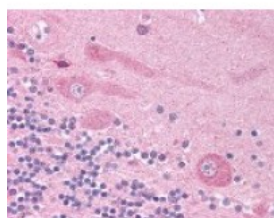




PTPN13 Antibody

CATALOG NUMBER: 49-691



Immunohistochemistry staining of PTPN13
in cerebellum tissue using PTPN13
Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC
APPLICATIONS:	PTPN13 antibody can be used in ELISA starting at 1:10000 - 1:50000, Western Blot starting at 1:5000 - 1:10000, and immunohistochemistry starting at 1:500.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	Amino acids 2451 to 2466 of human PTPN13
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Protein G Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.1% sodium azide.
STORAGE CONDITIONS:	PTPN13 antibody should be stored long term (months) at -20 °C and short term (weeks) at 4 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	PTPN13, FAP-1, HPTP1E, HPTPE1, Fas associated phosphatase 1, Phosphatase rip, PTP-BAS, PTP-E1, PTP-BL, PTP1E, PTPLE, PNP1, PTPL1
ACCESSION NO.:	Q12923
PROTEIN GI NO.:	12643716
OFFICIAL SYMBOL:	PTPN13
GENE ID:	5783

Background

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.

FOR RESEARCH USE ONLY

December 13, 2016