

ARG40547 anti-PTPN13 / FAP1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PTPN13 / FAP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PTPN13 / FAP1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 250-500 of Human PTPN13 / FAP1 (NP_542416.1).
Conjugation	Un-conjugated
Alternate Names	Protein-tyrosine phosphatase 1E; hPTP1E; PTPLE; hPTPE1; PNP1; Tyrosine-protein phosphatase non-receptor type 13; PTP1E; PTP-BL; PTP-E1; FAP-1; Protein-tyrosine phosphatase PTPL1; Fas-associated protein-tyrosine phosphatase 1; PTP-BAS; PTPL1; EC 3.1.3.48

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:3000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	
Observed Size	310 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol	PTPN13
Gene Full Name	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
Background	<p>The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP is a large intracellular protein. It has a catalytic PTP domain at its C-terminus and two major structural domains: a region with five PDZ domains and a FERM domain that binds to plasma membrane and cytoskeletal elements. This PTP was found to interact with, and dephosphorylate, Fas receptor and IkappaBalpha through the PDZ domains. This suggests it has a role in Fas mediated programmed cell death. This PTP was also shown to interact with GTPase-activating protein, and thus may function as a regulator of Rho signaling pathways. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq, Oct 2008]</p>
Function	<p>Tyrosine phosphatase which regulates negatively FAS-induced apoptosis and NGFR-mediated pro-apoptotic signaling. May regulate phosphoinositide 3-kinase (PI3K) signaling through dephosphorylation of PIK3R2. [UniProt]</p>
Calculated Mw	277 kDa
Cellular Localization	<p>Cytoplasm, cytoskeleton. Nucleus. Cell projection, lamellipodium. Note=Colocalizes with F-actin. Colocalizes with PKN2 in lamellipodia-like structure, regions of large actin turnover. [UniProt]</p>

Images



ARG40547 anti-PTPN13 / FAP1 antibody WB image

Western blot: 25 µg of A549 cell lysate stained with ARG40547 anti-PTPN13 / FAP1 antibody at 1:3000 dilution.



ARG40547 anti-PTPN13 / FAP1 antibody WB image

Western blot: 25 µg of Mouse lung lysate stained with ARG40547 anti-PTPN13 / FAP1 antibody at 1:3000 dilution.