

ARG56214 anti-PPT1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes PPT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	1117CT11.2.1.4
Isotype	IgG1
Target Name	PPT1
Species	Human
Immunogen	Recombinant protein from Human PPT1.
Conjugation	Un-conjugated
Alternate Names	EC 3.1.2.22; Palmitoyl-protein thioesterase 1; PPT-1; Palmitoyl-protein hydrolase 1; CLN1; PPT; INCL

Application Instructions

Application table	Application	Dilution
	FACS	1:25
	IHC-P	1:25
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	

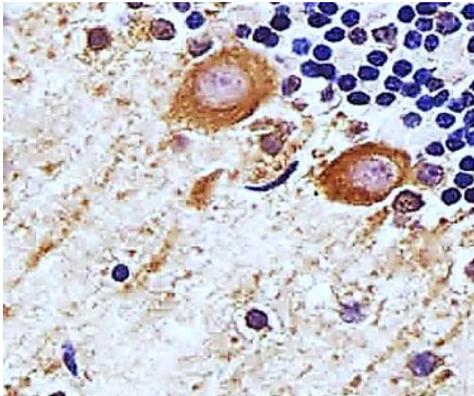
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PPT1
Gene Full Name	palmitoyl-protein thioesterase 1
Background	The protein encoded by this gene is a small glycoprotein involved in the catabolism of lipid-modified proteins during lysosomal degradation. The encoded enzyme removes thioester-linked fatty acyl groups such as palmitate from cysteine residues. Defects in this gene are a cause of infantile neuronal ceroid lipofuscinosis 1 (CLN1, or INCL) and neuronal ceroid lipofuscinosis 4 (CLN4). Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2008]
Function	Removes thioester-linked fatty acyl groups such as palmitate from modified cysteine residues in proteins or peptides during lysosomal degradation. Prefers acyl chain lengths of 14 to 18 carbons. [UniProt]
Calculated Mw	34 kDa
PTM	Glycosylated.
Cellular Localization	Lysosome.

Images



ARG56214 anti-PPT1 antibody IHC-P image

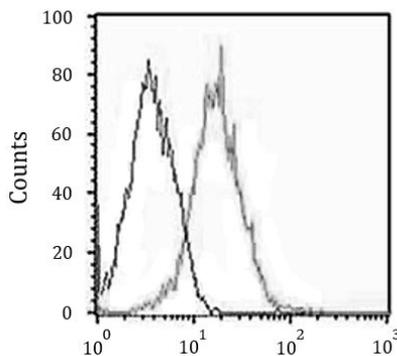
Immunohistochemistry: Paraffin-embedded Mouse cerebellum tissue stained with ARG56214 anti-PPT1 antibody at 1:25 dilution.



HeLa

ARG56214 anti-PPT1 antibody WB image

Western blot: 20 µg of HeLa cell lysate stained with ARG56214 anti-PPT1 antibody at 1:2000 dilution.



ARG56214 anti-PPT1 antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG56214 anti-PPT1 antibody (right histogram) at 1:25 dilution or isotype control antibody (left histogram), followed by incubation with Alexa Fluor® 488 labelled secondary antibody.