

## 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	

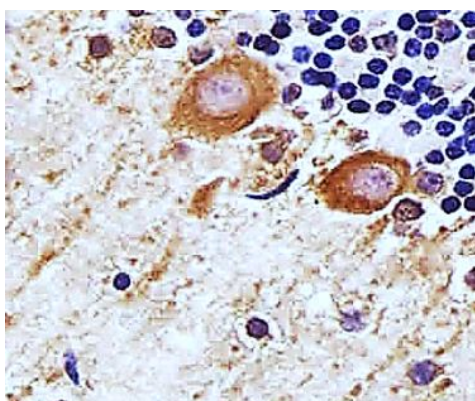
### Properties

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

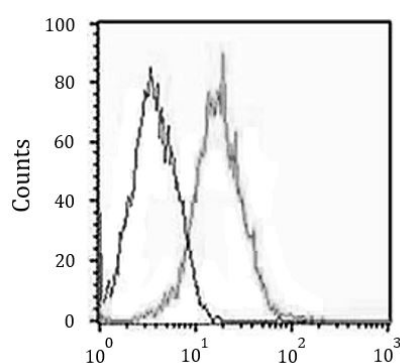
Immunohistochemistry: Paraffin-embedded Mouse cerebellum tissue stained with ARG56214 anti-PPT1 antibody at 1:25 dilution.



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.