

ARG22253 anti-PHYH antibody [S210-5]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S210-5] recognizes PHYH
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Specificity	Detects ~40kDa.
Host	Mouse
Clonality	Monoclonal
Clone	S210-5
Isotype	IgG1
Target Name	PHYH
Antigen Species	Human
Immunogen	Full-length (aa. 1-338) fusion protein of Human PhyH. Rat: 78% identity (264/338 around aa. identical). Mouse: 78% identity (264/338 around aa. identical).
Conjugation	Un-conjugated
Alternate Names	Phytanoyl-CoA alpha-hydroxylase; PHYH1; LN1; PAHX; EC 1.14.11.18; Phytanoyl-CoA dioxygenase, peroxisomal; RD; LNAP1; Phytanic acid oxidase; PhyH

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	39 kDa	

Properties

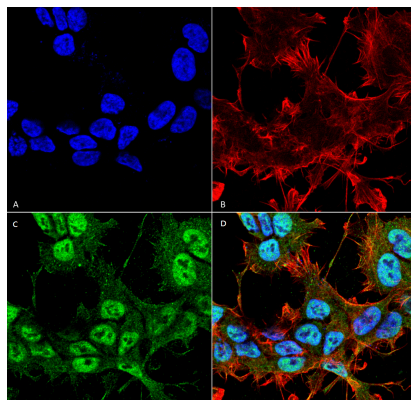
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.1% Sodium azide and 50% Glycerol
Preservative	0.1% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml

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

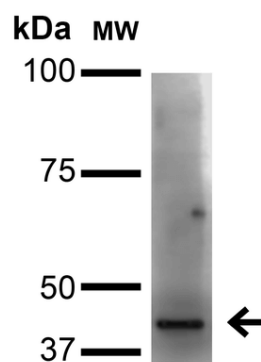
Gene Symbol	PHYH
Gene Full Name	phytanoyl-CoA 2-hydroxylase
Background	This gene is a member of the PhyH family and encodes a peroxisomal protein that is involved in the alpha-oxidation of 3-methyl branched fatty acids. Specifically, this protein converts phytanoyl-CoA to 2-hydroxyphytanoyl-CoA. Mutations in this gene have been associated with Refsum disease (RD) and deficient protein activity has been associated with Zellweger syndrome and rhizomelic chondrodysplasia punctata. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Function	Converts phytanoyl-CoA to 2-hydroxyphytanoyl-CoA. [UniProt]
Cellular Localization	Peroxisome

Images



ARG22253 anti-PHYH antibody [S210-5] ICC/IF image

Immunofluorescence: Human Neuroblastoma cell line SK-N-BE. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: ARG22253 anti-PHYH antibody [S210-5] at 1:100 for 60 min at RT. Secondary Antibody: Goat anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ARG22253 anti-PHYH antibody [S210-5] (D) Composite.



ARG22253 anti-PHYH antibody [S210-5] WB image

Western blot: 15 µg of Rat Brain Membrane. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: ARG22253 anti-PHYH antibody [S210-5] at 1:200 for 16 hours at 4°C. Secondary Antibody: Goat anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT.