

ARG40065 anti-FA2H antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FA2H
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FA2H
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 95-170 of Human FA2H (NP_077282.3).
Conjugation	Un-conjugated
Alternate Names	SCS7; SPG35; FAH1; Fatty acid 2-hydroxylase; Fatty acid alpha-hydroxylase; EC 1.-.-.-; FAXDC1; FAAH

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT-29	
Observed Size	38 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FA2H
Gene Full Name	fatty acid 2-hydroxylase
Background	This gene encodes a protein that catalyzes the synthesis of 2-hydroxysphingolipids, a subset of sphingolipids that contain 2-hydroxy fatty acids. Sphingolipids play roles in many cellular processes and their structural diversity arises from modification of the hydrophobic ceramide moiety, such as by 2-hydroxylation of the N-acyl chain, and the existence of many different head groups. Mutations in this gene have been associated with leukodystrophy dysmyelinating with spastic paraparesis with or without dystonia.[provided by RefSeq, Mar 2010]
Function	Required for alpha-hydroxylation of free fatty acids and the formation of alpha-hydroxylated sphingolipids. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Endoplasmic reticulum membrane; Multi-pass membrane protein. Microsome membrane; Multi-pass membrane protein. [UniProt]

Images



ARG40065 anti-FA2H antibody WB image

Western blot: 25 µg of HT-29 cell lysate stained with ARG40065 anti-FA2H antibody at 1:1000 dilution.