Datasheet for ABIN7267158

anti-FAR1 antibody (AA 1-220)

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Overview

Quantity:	100 µL
Target:	FAR1
Binding Specificity:	AA 1-220
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAR1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	FAR1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-220 of human FAR1 (NP_115604.1).
Sequence:	MVSIPEYYEG KNVLLTGATG FLGKVLLEKL LRSCPKVNSV YVLVRQKAGQ TPQERVEEVL SGKLFDRLRD ENPDFREKII AINSELTQPK LALSEEDKEV IIDSTNIIFH CAATVRFNEN LRDAVQLNVI ATRQLILLAQ QMKNLEVFMH VSTAYAYCNR KHIDEVVYPP PVDPKKLIDS LEWMDDGLVN DITPKLIGDR PNTYIYTKAL AEYVVQQEGA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification:	Affinity purification

Target Details

Target:	FAR1
Alternative Name:	FAR1 (FAR1 Products)
Background:	The protein encoded by this gene is required for the reduction of fatty acids to fatty alcohols, a process that is required for the synthesis of monoesters and ether lipids. NADPH is required as a cofactor in this reaction, and 16-18 carbon saturated and unsaturated fatty acids are the preferred substrate. This is a peroxisomal membrane protein, and studies suggest that the N-terminus contains a large catalytic domain located on the outside of the peroxisome, while the C-terminus is exposed to the matrix of the peroxisome. Studies indicate that the regulation of this protein is dependent on plasmalogen levels. Mutations in this gene have been associated with individuals affected by severe intellectual disability, early-onset epilepsy, microcephaly, congenital cataracts, growth retardation, and spasticity (PMID: 25439727). A pseudogene of this gene is located on chromosome 13.,FAR1,MLSTD2,PFCRD,SDR10E1,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,FAR1
Molecular Weight:	59kDa
Gene ID:	84188
UniProt:	Q8WVX9

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

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Handling

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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