

ARG64649 anti-ABCD4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ABCD4
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	IHC-P, WB
Specificity	Reported variants represent identical protein: NP_064719.1 NP_064731.1 NP_064720.1 NP_064730.1
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ABCD4
Species	Human
Immunogen	C-RDDIDNPDQRISQD
Conjugation	Un-conjugated
Alternate Names	PXMP1-L; Peroxisomal membrane protein 1-like; ABC41; Peroxisomal membrane protein 69; EST352188; MAHCJ; P79R; PMP69; ATP-binding cassette sub-family D member 4; PMP70-related protein; P70R; PXMP1L

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>3 - 5 µg/ml</td></tr><tr><td>WB</td><td>0.3 - 1 µg/ml</td></tr></tbody></table>	Application	Dilution	IHC-P	3 - 5 µg/ml	WB	0.3 - 1 µg/ml
	Application	Dilution					
	IHC-P	3 - 5 µg/ml					
WB	0.3 - 1 µg/ml						
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						

Properties

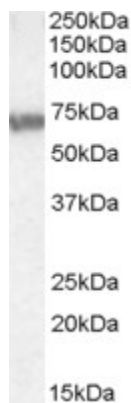
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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 or below. 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

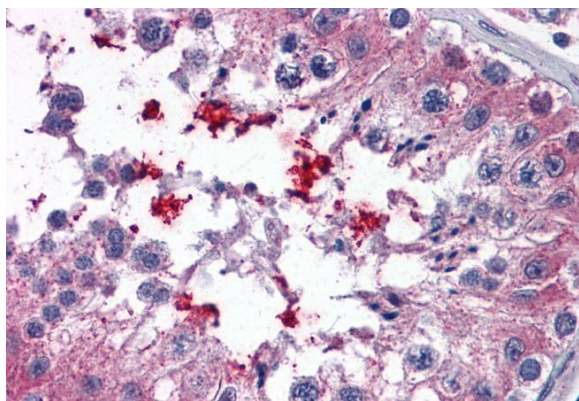
Database links	GeneID: 5826 Human Swiss-port # O14678 Human
Background	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the ALD subfamily, which is involved in peroxisomal import of fatty acids and/or fatty acyl-CoAs in the organelle. All known peroxisomal ABC transporters are half transporters which require a partner half transporter molecule to form a functional homodimeric or heterodimeric transporter. The function of this peroxisomal membrane protein is unknown. However, it is speculated that it may function as a heterodimer for another peroxisomal ABC transporter and, therefore, may modify the adrenoleukodystrophy phenotype. It may also play a role in the process of peroxisome biogenesis. Alternative splicing results in at least two different transcript variants, one which is protein-coding and one which is probably not protein-coding. [provided by RefSeq, Jul 2008]
Research Area	Controls and Markers antibody
Calculated Mw	69 kDa

Images



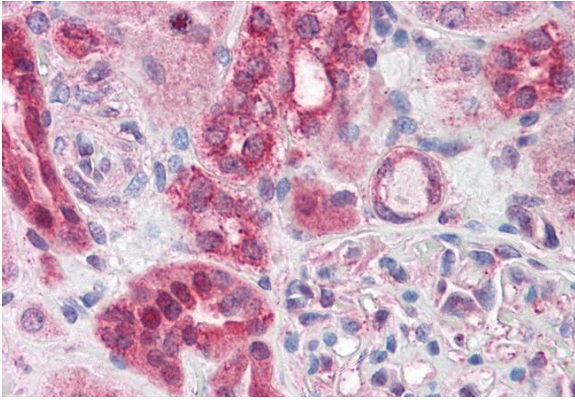
ARG64649 anti-ABCD4 antibody WB image

Western Blot: Jurkat lysate (35µg protein in RIPA buffer) stained with ARG64649 anti-ABCD4 antibody at 0.3µg/ml dilution.



ARG64649 anti-ABCD4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64649 anti-ABCD4 antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG64649 anti-ABCD4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG64649 anti-ABCD4 antibody at 3.75 µg/ml dilution followed by AP-staining.