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ARG64606
anti-ABCD3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ABCD3
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognize one isoform (NP_002849.1) only.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ABCD3
Species	Human
Immunogen	C-PDGREDQKRKGISD
Conjugation	Un-conjugated
Alternate Names	CBAS5; ABC43; ATP-binding cassette sub-family D member 3; PMP70; 70 kDa peroxisomal membrane protein; PXMP1; ZWS2

Application Instructions

Application table

Application	Dilution
IHC-P	2 - 4 µg/ml
WB	0.2 - 0.6 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* 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.

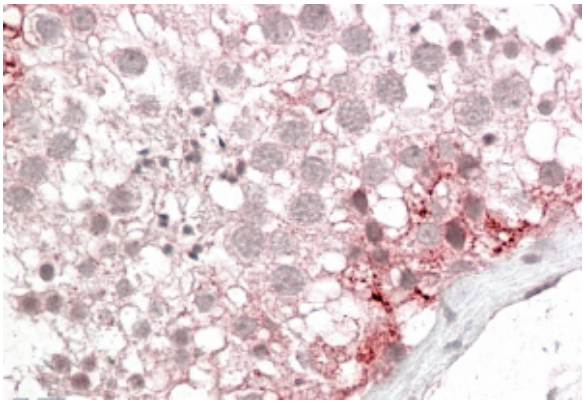
Bioinformation

Database links	GeneID: 5825 Human Swiss-port # P28288 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. This peroxisomal membrane protein likely plays an important role in peroxisome biogenesis. Mutations have been associated with some forms of Zellweger syndrome, a heterogeneous group of peroxisome assembly disorders. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Research Area	Controls and Markers antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	75 kDa

Images

ARG64606 anti-ABCD3 antibody WB image

Western Blot: Human Kidney lysate (35 µg protein in RIPA buffer) stained with ARG64606 anti-ABCD3 antibody at 0.2 µg/ml dilution.



ARG64606 anti-ABCD3 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Testis. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG64606 anti-ABCD3 antibody at 3.8 µg/ml dilution followed by AP-staining.