ABCD1 Antibody

Catalog No: #43954

Orders: order@signalwayantibody.com
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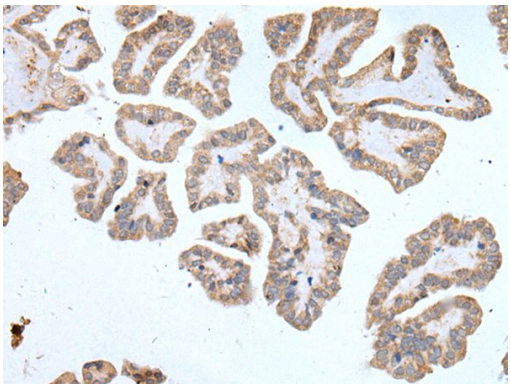
Description

Product Name	ABCD1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total ABCD1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human ABCD1
Target Name	ABCD1
Other Names	ALD; AMN; ALDP; ABC42
Accession No.	Swiss-Prot#: P33897NCBI Gene ID: 215
Uniprot	P33897
GeneID	215;
Concentration	1.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

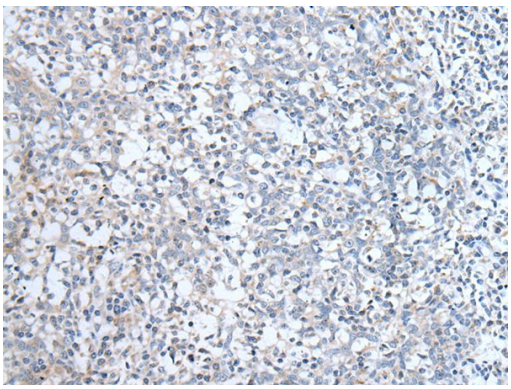
Application Details

Immunohistochemistry: 1: 100-300

Images



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ABCD1 Antibody at dilution 1/100, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ABCD1 Antibody at dilution 1/100, on the right is treated with synthetic peptide. (Original magnification: x200)

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 is likely involved in the peroxisomal transport or catabolism of very long chain fatty acids. Defects in this gene have been identified as the underlying cause of adrenoleukodystrophy, an X-chromosome recessively inherited demyelinating disorder of the nervous system.

Note: This product is for in vitro research use only