ABCD2 Antibody

Catalog No: #37073

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

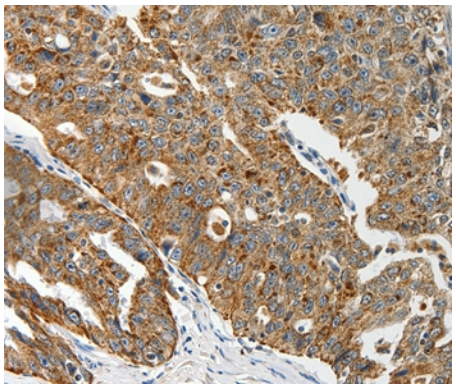
Description

Product Name	ABCD2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ABCD2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human ATP-binding cassette, sub-family D (ALD), member 2
Target Name	ABCD2
Other Names	ALDR; ABC39; ALDL1; ALDRP; hALDR
Accession No.	Swiss-Prot#: Q9UBJ2NCBI Gene ID: 225Gene Accssion: NP_005155
Uniprot	Q9UBJ2
GeneID	225;
Concentration	0.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

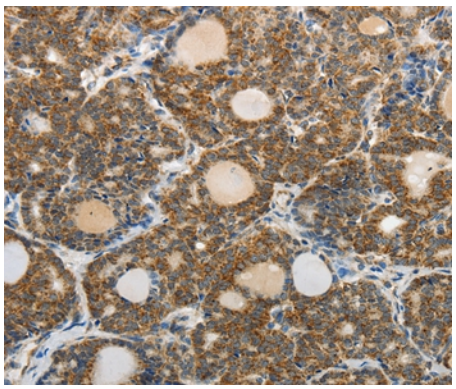
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using #37073 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #37073 at dilution 1/20.

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 this protein is speculated to function as a dimerization partner of ABCD1 and/or other peroxisomal ABC transporters. Mutations in this gene have been observed in patients with adrenoleukodystrophy, a severe demyelinating disease. This gene has been identified as a candidate for a modifier gene, accounting for the extreme variation among adrenoleukodystrophy phenotypes. This gene is also a candidate for a complement group of Zellweger syndrome, a genetically heterogeneous disorder of peroxisomal biogenesis.

Note: This product is for in vitro research use only