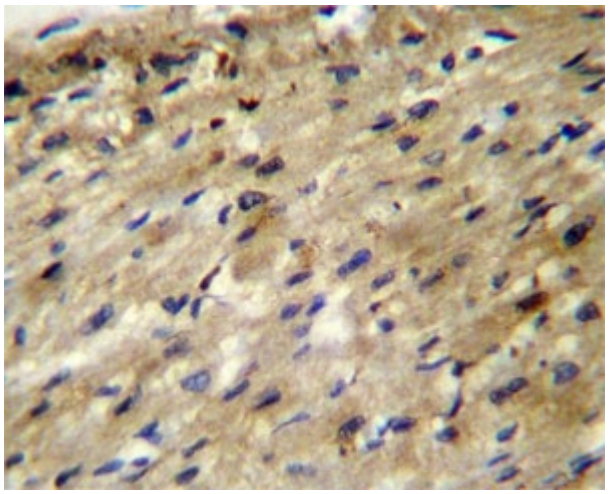
ABCD2 Antibody (F42334)

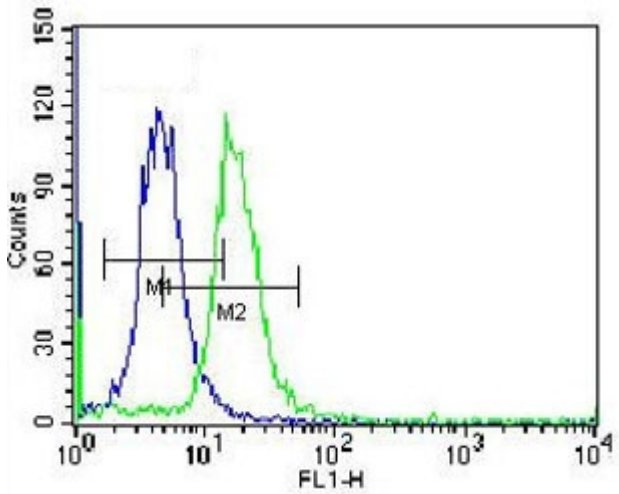
Catalog No.	Formulation	Size
F42334-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42334-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9UBJ2
Localization	Cytoplasmic
Applications	Western blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
Limitations	This ABCD2 antibody is available for research use only.

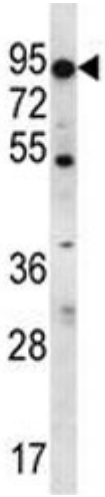


ABCD2 antibody immunohistochemistry formalin fixed and paraffin embedded h tissue.



ABCD2 (right hi histogra seconda

negative control (left histogram). FITC-conjugated donkey-anti-rabbit secondary Ab was used for the analysis." title="ABCD2 antibody flow cytometric analysis of K562 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated donkey-anti-rabbit secondary Ab was used for the analysis.">



ABCD2 antibody western blot analysis in K562
Predicted molecular weight: ~83 kDa.

Description

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.

Application Notes

Titration of the ABCD2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 553-582 from the human protein was used as the immunogen for this ABCD2 antibody.

Storage

Aliquot the ABCD2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com