abcam

Product datasheet

Anti-ABCD1 / ALD antibody ab107094

1 Image

Overview

Product name	Anti-ABCD1 / ALD antibody
Description	Rabbit polyclonal to ABCD1 / ALD
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide conjugated to KLH, corresponding to a region within internal sequence amino acids 264-293 of Human ABCD1 (NP_000024.2)
Positive control	HL-60 cell lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Purification notes	This antibody is purified through a protein A column, followed by peptide affinity purification.
Clonality	Polyclonal
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab107094** in the following tested applications.

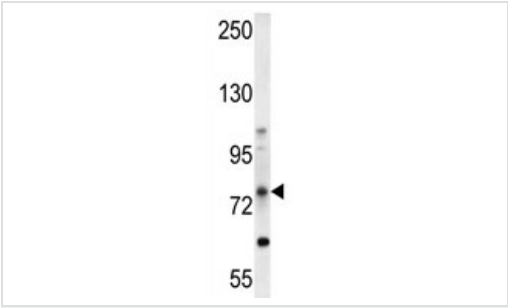
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/500. Predicted molecular weight: 83 kDa.

Target

Function	Probable transporter. The nucleotide-binding fold acts as an ATP-binding subunit with ATPase activity.
Involvement in disease	Defects in ABCD1 are the cause of adrenoleukodystrophy X-linked (X-ALD) [MIM:300100]. X-ALD is a peroxisomal metabolic disorder characterized by progressive multifocal demyelination of the central nervous system and by peripheral adrenal insufficiency (Addison disease). It results in mental deterioration, corticospinal tract dysfunction, and cortical blindness. Different clinical manifestations exist like: cerebral childhood ALD (CALD), adult cerebral ALD (ACALD), adrenomyeloneuropathy (AMN) and 'Addison disease only' (ADO) phenotype. Note=The promoter region of ABCD1 is deleted in the chromosome Xq28 deletion syndrome which involves ABCD1 and the neighboring gene BCAP31.
Sequence similarities	Belongs to the ABC transporter superfamily. ABCD family. Peroxisomal fatty acyl CoA transporter (TC 3.A.1.203) subfamily. Contains 1 ABC transmembrane type-1 domain. Contains 1 ABC transporter domain.
Cellular localization	Peroxisome membrane.

Images



Western blot - Anti-ABCD1 antibody (ab107094)

Anti-ABCD1 / ALD antibody (ab107094) at 1/100 dilution + HL-60 cell lysate at 35 µg

Predicted band size: 83 kDa

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