

Datasheet for ABIN7255938

**anti-ABCD1 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	200 µL
Target:	ABCD1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCD1 antibody is un-conjugated
Application:	Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant fusion protein of human ABCD1 (NP_000024.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	ABCD1
Alternative Name:	ABCD1 ( <a href="#">ABCD1 Products</a> )
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

## Target Details

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.

Gene ID: 215

UniProt: [P33897](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

Application Notes: IF 1:50-1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

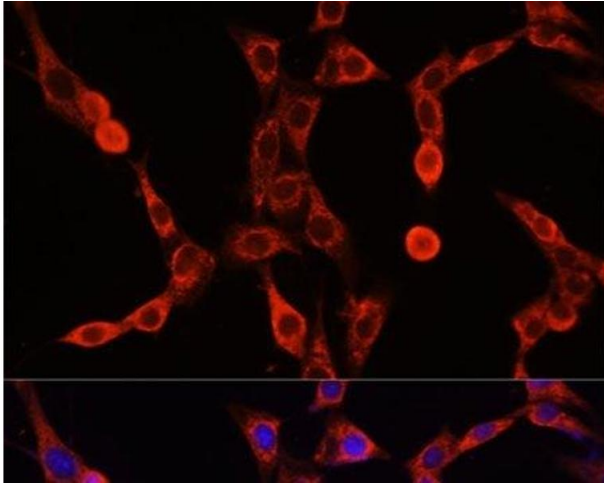
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



#### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH/3T3 cells using ABCD1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.