




Product datasheet

Anti-PEX13 antibody ab204841

2 Images

Overview

Product name	Anti-PEX13 antibody
Description	Rabbit polyclonal to PEX13
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Cow 
Immunogen	Recombinant fragment corresponding to Human PEX13 aa 300-400. Database link: Q92968  Run BLAST with  Run BLAST with
Positive control	Human rectum tissue; U-2 OS cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab204841 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
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.

Target

Function

Component of the peroxisomal translocation machinery with PEX14 and PEX17. Functions as a docking factor for the predominantly cytoplasmic PTS1 receptor (PAS10/PEX5). Involved in the import of PTS1 and PTS2 proteins.

Involvement in disease

Defects in PEX13 are the cause of peroxisome biogenesis disorder complementation group 13 (PBD-CG13) [MIM:601789]; also known as PBD-CGH. PBD-CG13 is a peroxisomal disorder arising from a failure of protein import into the peroxisomal membrane or matrix. The peroxisome biogenesis disorders (PBD group) are genetically heterogeneous with at least 14 distinct genetic groups as concluded from complementation studies. Include disorders are: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). ZWS, NALD and IRD are distinct from RCDP and constitute a clinical continuum of overlapping phenotypes known as the Zellweger spectrum (PBD-ZSS).

Defects in PEX13 are a cause of adrenoleukodystrophy neonatal (NALD) [MIM:202370]. NALD is a peroxisome biogenesis disorder (PBD) characterized by the accumulation of very long-chain fatty acids, adrenal insufficiency and mental retardation.

Sequence similarities

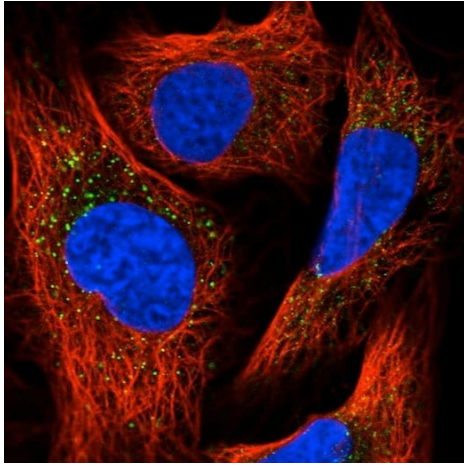
Belongs to the peroxin-13 family.

Contains 1 SH3 domain.

Cellular localization

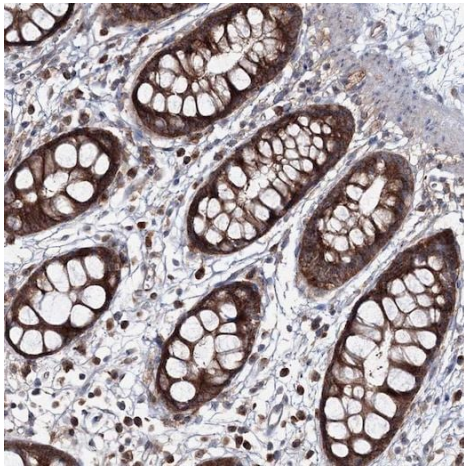
Peroxisome membrane.

Images



Immunofluorescent analysis of U-2 OS cells labeling PEX13 with ab204841 at 4 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-PEX13 antibody (ab204841)



Immunohistochemical analysis of formalin-fixed paraffin-embedded Human rectum tissue labeling PEX13 with ab204841 at 1/50.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PEX13 antibody (ab204841)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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