

Anti-PEX19 antibody [EPR9266(B)] ab137072

リコンビナント RabMAb[®]

★★★★☆ **1 Abreviews** **15 References** **画像数 6**

製品の概要

| | |
|--------------|--|
| 製品名 | Anti-PEX19 antibody [EPR9266(B)] |
| 製品の詳細 | Rabbit monoclonal [EPR9266(B)] to PEX19 |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: Flow Cyt (Intra), IP, ICC/IF, WB 適用なし: IHC-P |
| 種交差性 | 交差種: Rat, Human |
| 免疫原 | Synthetic peptide within Human PEX19 aa 1-100. The exact sequence is proprietary. Database link: P40855 |
| ポジティブ・コントロール | Jurkat, rat brain lysate, rat heart and MOLT4 cell lysates; Jurkat cells. |
| 特記事項 | This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . |

製品の特性

| | |
|--------|---|
| 製品の状態 | Liquid |
| 保存方法 | 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. |
| バッファー | Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA |
| 精製度 | Protein A purified |
| ポリ/モノ | モノクローナル |
| クローン名 | EPR9266(B) |
| アイソタイプ | IgG |

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab137072の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|------------------|-----------|---|
| Flow Cyt (Intra) | | 1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody. |
| IP | | 1/10 - 1/100. |
| ICC/IF | | 1/50 - 1/100. |
| WB | ★★★★★ (1) | 1/1000 - 1/10000. Predicted molecular weight: 33 kDa. |

追加情報 Is unsuitable for IHC-P.

ターゲット情報

機能 Necessary for early peroxisomal biogenesis. Acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Binds and stabilizes newly synthesized PMPs in the cytoplasm by interacting with their hydrophobic membrane-spanning domains, and targets them to the peroxisome membrane by binding to the integral membrane protein PEX3. Excludes CDKN2A from the nucleus and prevents its interaction with MDM2, which results in active degradation of TP53.

組織特異性 Ubiquitously expressed. Isoform 1 is strongly predominant in all tissues except in utero where isoform 2 is the main form.

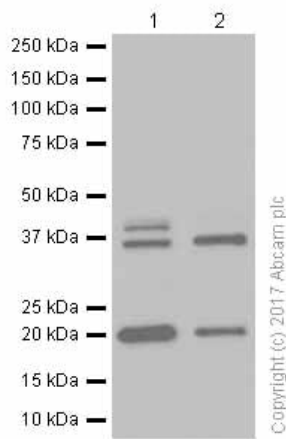
関連疾患 Defects in PEX19 are the cause of peroxisome biogenesis disorder complementation group 14 (PBD-CG14) [MIM:600279]; also known as PBD-CGJ. PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: 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. The PBD group is genetically heterogeneous with at least 14 distinct genetic groups as concluded from complementation studies.

Defects in PEX19 are a cause of Zellweger syndrome (ZWS) [MIM:214100]. ZWS is a fatal peroxisome biogenesis disorder characterized by dysmorphic facial features, hepatomegaly, ocular abnormalities, renal cysts, hearing impairment, profound psychomotor retardation, severe hypotonia and neonatal seizures. Death occurs within the first year of life.

配列類似性 Belongs to the peroxin-19 family.

細胞内局在 Cytoplasm. Peroxisome membrane. Mainly cytoplasmic. Some fraction membrane-associated to the outer surface of peroxisomes.

画像



Western blot - Anti-PEX19 antibody [EPR9266(B)] (ab137072)

All lanes : Anti-PEX19 antibody [EPR9266(B)] (ab137072) at 1/1000 dilution (Purified)

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysates with 5% NFDM/TBST

Lane 2 : MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysates with 5% NFDM/TBST

Lysates/proteins at 20 µg per lane.

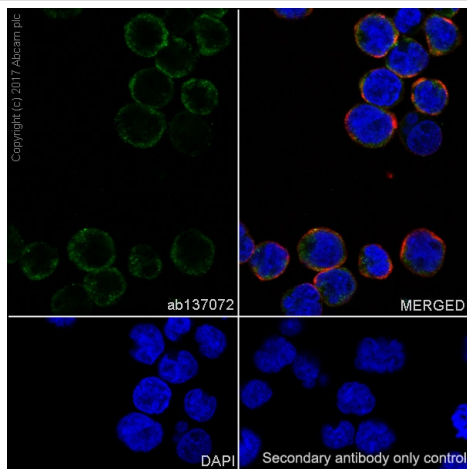
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 33 kDa

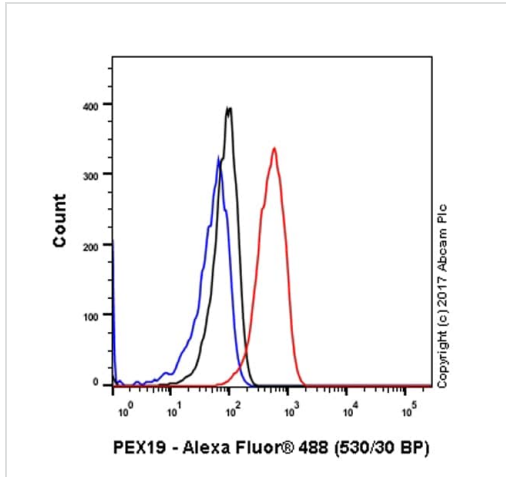
Observed band size: 35,40 kDa

The doublets are reported by PMID: 9339377, 28817674 and 10051604



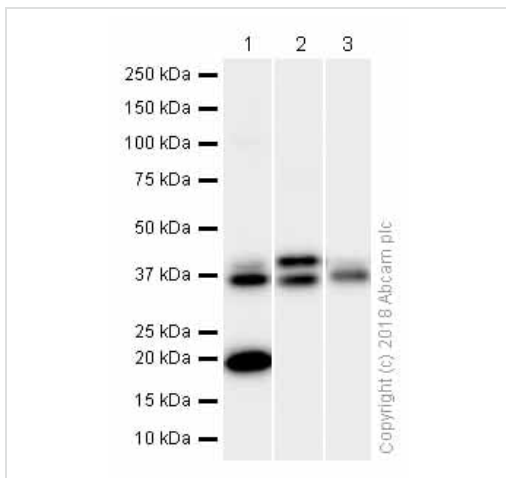
Immunocytochemistry/ Immunofluorescence - Anti-PEX19 antibody [EPR9266(B)] (ab137072)

Immunocytochemistry/ Immunofluorescence analysis of MOLT-4 (Human lymphoblastic leukemia T lymphoblast) cells labeling PEX19 with Purified ab137072 at 1:100 (10.2 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-PEX19 antibody [EPR9266(B)] (ab137072)

Intracellular Flow Cytometry analysis of A549 (Human lung carcinoma epithelial cell) cells labeling PEX19 with purified ab137072 at 1/100 dilution (10µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-PEX19 antibody [EPR9266(B)] (ab137072)

All lanes : Anti-PEX19 antibody [EPR9266(B)] (ab137072) at 1/2000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates with 5% NFDN/TBST

Lane 2 : Rat brain lysates with 5% NFDN/TBST

Lane 3 : Rat heart lysates with 5% NFDN/TBST

Lysates/proteins at 20 µg per lane.

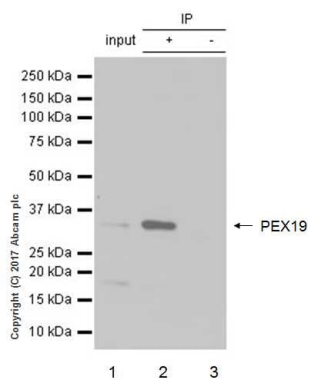
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 33 kDa

Observed band size: 35,40 kDa

The doublets are reported by PMID: 9339377, 28817674 and 10051604



Immunoprecipitation - Anti-PEX19 antibody
[EPR9266(B)] (ab137072)

ab137072 (purified) at 1:50 dilution (2µg) immunoprecipitating PEX19 in MOLT-4 whole cell lysate.

Lane 1 (input): MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate 10µg

Lane 2 (+): ab137072 & MOLT-4 whole cell lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab137072 in MOLT-4 whole cell lysate

For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-PEX19 antibody [EPR9266(B)] (ab137072)

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