abcam

Product datasheet

Anti-PEX5 antibody [1D3] ab119077

画像数 3

製品の概要

製品名	Anti-PEX5 antibody [1D3]
製品の詳細	Mouse monoclonal [1D3] to PEX5
由来種	Mouse
アプリケーション	**適用あり:** WB, ICC/IF
種交差性	**交差種:** Dog, Human
免疫原	Recombinant full length Human PEX5 produced in HEK293T cells (NP_000310).
ポジティブ・コントロール	HEK293T cells and Cos7 cells transfected with PEX5, HepG2 and MDCK cell extracts

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 50% Glycerol, 1% BSA
精製度	Protein A purified
特記事項（精製）	Purified from Mouse ascites
ポリ/モノ	モノクローナル
クローン名	1D3
アイソタイプ	IgG1

アプリケーション

Our Abpromise guarantee covers the use of **ab119077** in the following tested applications.

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

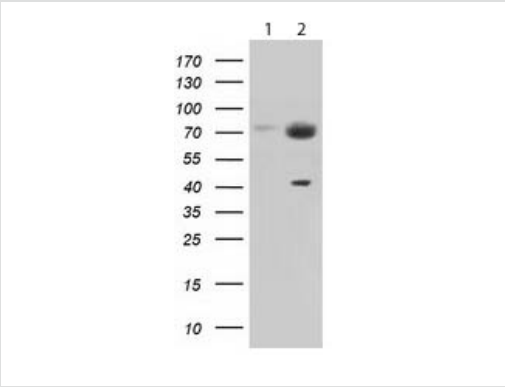
アプリケーション	Abreviews	特記事項
WB		1/2000. Predicted molecular weight: 71 kDa.

アプリケーション	Abreviews	特記事項
ICC/IF		1/100.

ターゲット情報

機能	Binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import.
組織特異性	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
関連疾患	Defects in PEX5 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. Inheritance is autosomal recessive. Defects in PEX5 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. Defects in PEX5 may be a cause of infantile Refsum disease (IRD) [MIM:266510]. IRD is a mild peroxisome biogenesis disorder (PBD). Clinical features include early onset, mental retardation, minor facial dysmorphism, retinopathy, sensorineural hearing deficit, hepatomegaly, osteoporosis, failure to thrive, and hypocholesterolemia. The biochemical abnormalities include accumulation of phytanic acid, very long chain fatty acids (VLCFA), di- and trihydroxycholestanoic acid and pipecolic acid.
配列類似性	Belongs to the peroxisomal targeting signal receptor family. Contains 7 TPR repeats.
細胞内局在	Cytoplasm. Peroxisome membrane. Its distribution appears to be dynamic. It is probably a cycling receptor found mainly in the cytoplasm and as well associated to the peroxisomal membrane through a docking factor.

画像



Western blot - Anti-PEX5 antibody [1D3] (ab119077)

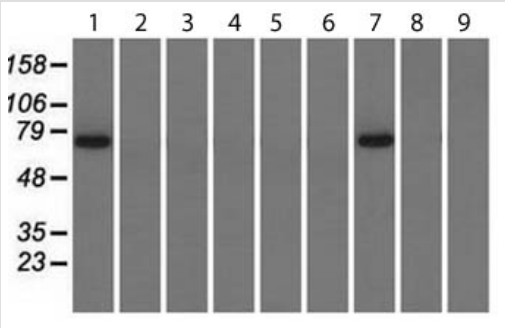
All lanes : Anti-PEX5 antibody [1D3] (ab119077) at 1/2000 dilution

Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control
Lane 2 : HEK293T cells transfected with pCMV6-ENTRY PEX5

Lysates/proteins at 5 µg per lane.

Predicted band size: 71 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC202062)



Western blot - Anti-PEX5 antibody [1D3] (ab119077)

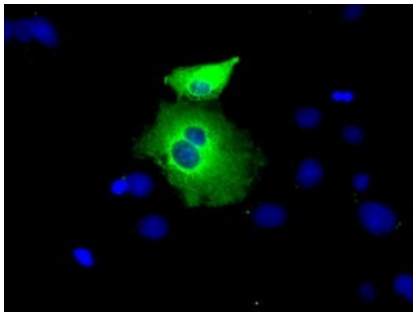
All lanes : Anti-PEX5 antibody [1D3] (ab119077) at 1/2000 dilution

Lane 1 : HepG2 cell extract
Lane 2 : HeLa cell extract
Lane 3 : HT29 cell extract
Lane 4 : A549 cell extract
Lane 5 : COS7 cell extract
Lane 6 : Jurkat cell extract
Lane 7 : MDCK cell extract
Lane 8 : PC12 cell extract
Lane 9 : MCF7 cell extract

Lysates/proteins at 35 µg per lane.

Predicted band size: 71 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC202062)



Immunocytochemistry/ Immunofluorescence - Anti-PEX5 antibody [1D3] (ab119077)

Immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PEX5 using ab119077 at a dilution of 1/100.

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