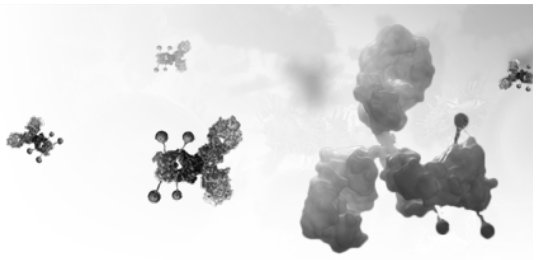

Anti-PEX7 (aa 2-99) polyclonal antibody (DPAB-DC2218)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes the cytosolic receptor for the set of peroxisomal matrix enzymes targeted to the organelle by the peroxisome targeting signal 2 (PTS2). Defects in this gene cause peroxisome biogenesis disorders (PBDs), which are characterized by multiple defects in peroxisome function. There are at least 14 complementation groups for PBDs, with more than one phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene have been associated with PBD complementation group 11 (PBD-CG11) disorders, rhizomelic chondrodysplasia punctata type 1 (RCDP1), and Refsum disease (RD).
Immunogen	PEX7 (NP_000279, 2 a.a. ~ 99 a.a) partial recombinant protein with GST tag. The sequence is SAVCGGAARMLRTPGRHGYAAEFSPYLPGRLACATAQHYGIAGCGTLLILDPDEAGLRLF RSFDWNDGLFDVTWSENNEHVLITCSGDGSLQLWDTAK
Source/Host	Mouse
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	PEX7 peroxisomal biogenesis factor 7 [Homo sapiens (human)]
Official Symbol	PEX7
Synonyms	PEX7; peroxisomal biogenesis factor 7; RD; PBD9B; PTS2R; RCDP1; peroxin-7; PTS2 receptor; peroxisomal PTS2 receptor; peroxisome targeting signal 2 receptor; peroxisomal targeting signal 2 receptor;
Entrez Gene ID	5191
Protein Refseq	NP_000279
UniProt ID	O00628
Chromosome Location	6q23.3
Pathway	Peroxisome;
Function	enzyme binding; peroxisome matrix targeting signal-2 binding; protein homodimerization activity;

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