



Anti-PEX12 (C-terminal) polyclonal antibody (DPAB-DC2220)

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

PRODUCT INFORMATION

Antigen Description	This gene belongs to the peroxin-12 family. Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 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 are a cause of Zellweger syndrome (ZWS).
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human PEX12. The sequence is RSHQACPITGYP
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PEX12 peroxisomal biogenesis factor 12 [Homo sapiens (human)]
Official Symbol	PEX12
Synonyms	PEX12; peroxisomal biogenesis factor 12; PAF-3; PBD3A; peroxisome assembly protein 12; peroxin 12; peroxin-12; peroxisome assembly factor 3;
Entrez Gene ID	5193
Protein Refseq	NP_000277
UniProt ID	O00623
Chromosome Location	17q12
Pathway	Peroxisome;
Function	protein C-terminus binding; protein binding; zinc ion binding;