



Anti-PEX12 (full length) polyclonal antibody (DPAB-DC2221)

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	PEX12 (AAH31085, 1 a.a. ~ 359 a.a) full-length recombinant protein with GST tag. The sequence is MAEHGAHFTAASVADDQPSIFEVVAQDSLMTAVRPALQHVVKVLAESENPTHYGFLLWRWFD EIFTLLDLLLQQHYLSRTSASFSENFYGLKRIVMGDTHKSQRLASAGLPKQQLWKSIMFL VLLPYLKVKLEKLVSSLREEDEYSIHPPSSRWKRFYRAFLAAYPFVNMAWEGWFLVQQLR YILGKAQHHSPLLRLAGVQLGRRLTVQDIQALEHKPAKASMMQQPARSVSEKINSALKKAV GGVALSLSTGLSVGVFFLQFLDWWYSSNQETIKSLTALPTPPPPVHLDYNSDSPLLPKM KTVCP LCRKTRVNDTVLATSGYVFCYRCVFHYVRSHQACPITGYPTQVHLLIKLYSPEN
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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.

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;