



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

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

PRODUCT INFORMATION

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| 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) |

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

GENE INFORMATION

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| 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 | Q00623 |
| Chromosome Location | 17q12 |
| Pathway | Peroxisome; |
| Function | protein C-terminus binding; protein binding; zinc ion binding; |
