

Peroxisomal Biogenesis Factor 6 (PEX6) Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 56576 (clone S233-8)

Format: 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

BACKGROUND

Peroxisomal Biogenesis Factor 6 (PEX6) is a member of the AAA (ATPases associated with diverse cellular activities) family of ATPases. It is predominantly a cytoplasmic protein that plays a direct role in peroxisomal protein import and is required for PTS1 (peroxisomal targeting signal 1, a C-terminal tripeptide of the sequence ser-lys-leu) receptor activity. Mutations in the *PEX6* gene cause peroxisome biogenesis disorders of complementation group 4 and complementation group 6. Several transcript variants encoding different isoforms have been found for this gene.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 2-294 (N-terminus) of human PEX6. This sequence is 82% identical in rat and mouse and <50% identical with other PEX proteins.

Accession nos: NP_000278.3, Q13608

Gene ID: 5190

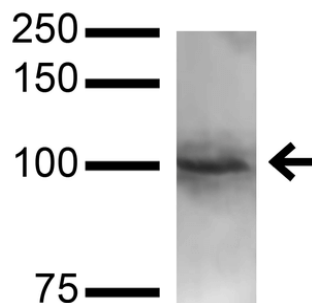
Host Species: Mouse

Antibody Class: IgG1

Specificity: This antibody recognizes human and rat PEX6.

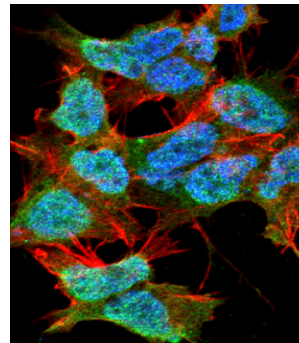
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~100kDa is detected.



Detection of PEX6 in rat brain lysate with #56576 at 5ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of PEX6 in neuroblastoma cell line SK-N-BE with #56576 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) PEX6 stain.

These are recommended concentrations. Endusers should determine optimal concentrations for their application.

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DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.