

# Anti-PEX11B Antibody [JE64-51]

HA721124



<b>Product Type:</b>	Recombinant Rabbit monoclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	Predicted band size: 28 kDa
<b>Clone number:</b>	JE64-51

**Description:** The protein encoded by this gene facilitates peroxisomal proliferation and interacts with PEX19. The encoded protein is found in the peroxisomal membrane. Several transcript variants, some protein-coding and some not protein-coding, have been found for this gene.

**Immunogen:** Synthetic peptide within human PEX11B aa 101-150/259.

**Positive control:** Human lung tissue lysate, MCF-7 cell lysate.

**Subcellular location:** Peroxisome membrane.

**Database links:** SwissProt: O96011 Human

**Recommended Dilutions:**

**WB** 1:1,000

**Storage Buffer:** 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

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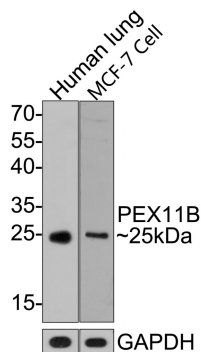
Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

## Images

**Fig1:** Western blot analysis of PEX11B on different lysates with Rabbit anti-PEX11B antibody (HA721124) at 1/1,000 dilution.

Lane 1: Human lung tissue lysate, 20 µg/Lane

Lane 2: MCF-7 cell lysate, 10 µg/Lane.



Predicted band size: 28 kDa

Observed band size: 25 kDa

Exposure time: 1 minute;

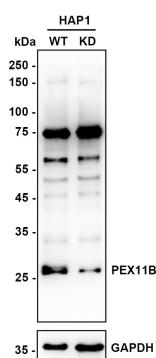
12% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA721124) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

**Fig2:** Western blot analysis of PEX11B on different lysates with Rabbit anti-PEX11B antibody (HA721124) at 1/1,000 dilution.

Lane 1: HAP1-parental cell lysate

Lane 2: HAP1-PEX11B KD cell lysate



Lysates/proteins at 10 µg/Lane.

Predicted band size: 28 kDa

Observed band size: 28 kDa

Exposure time: 40 seconds; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA721124) at 1/1,000 dilution was used in K1803 at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

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**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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### Background References

1. Tian Y. et. al. Variant analysis of PEX11B gene from a family with peroxisome biogenesis disorder 14B by whole exome sequencing. Mol Genet Genomic Med. 2020 Jan
2. Lismont C. et. al. Deciphering the potential involvement of PXMP2 and PEX11B in hydrogen peroxide permeation across the peroxisomal membrane reveals a role for PEX11B in protein sorting. Biochim Biophys Acta Biomembr. 2019 Oct

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