

## ABCD3 polyclonal antibody

Catalog: BS60111

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The peroxisomal membrane contains several ATP-binding cassette (ABC) transporters, ABCD1-4 that are known to be present in the human peroxisome membrane. All four proteins are ABC half-transporters, which dimerize to form an active transporter. A mutation in the ABCD1 gene causes X-linked adreno-leukodystrophy (X-ALD), a peroxisomal disorder which affects lipid storage. ABCD2 in mouse is expressed at high levels in the brain and adrenal organs, which are adversely affected in X-ALD. The peroxisomal membrane comprises two quantitatively major proteins, PMP22 and ABCD3. ABCD3 is associated with irregularly shaped vesicles which may be defective peroxisomes or peroxisome precursors. ABCD1 localizes to peroxisomes. ABCB7 is a half-transporter involved in the transport of heme from the mitochondria to the cytosol.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 70-75 kDa

### Swiss-Prot:

P28288

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

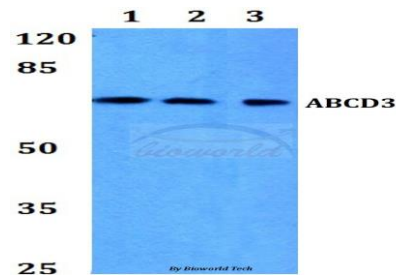
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

ABCD3 polyclonal antibody detects endogenous levels of

ABCD3 protein.

### DATA:

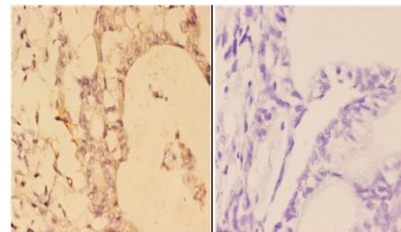


Western blot (WB) analysis of ABCD3 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate

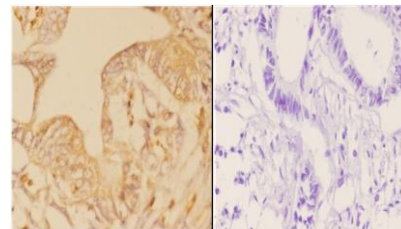
Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate



BS60111  
Lot CN21141

Immunohistochemistry (IHC) analyzes of ABCD3 pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasmic and secreted staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of ABCD3 pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing cytoplasmic and secreted staining. Negative control (the right) Using PBS

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

instead of primary antibody, secondary antibody is Goat Anti-Rabbit  
IgG-biotin followed by avidin-peroxidase.

**Note:**

For research use only, not for use in diagnostic procedure.

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