

ABHD4 polyclonal antibody

Catalog: BS61120

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The α/β hydrolase superfamily is comprised of diverse members that are involved in important biochemical processes and related to various diseases. They have unrelated sequences, various substrates, and different kinds of catalytic activities, yet they share the same canonical α/β hydrolase fold, which consists of an eight-stranded parallel α/β structure. They are also characterized by a catalytic triad composed of a histidine, an acid and a nucleophile. Members of this superfamily are often drug targets for treating diseases, such as diabetes, Alzheimer's disease, obesity and blood clotting disorders. ABHD1 plays a role in metabolizing smoking xenobiotics. ABHD2 participates in the development of atherosclerosis. ABHD4 is involved in an alternative synthesis pathway of NAE. ABHD4 is a lysophospholipase selective for N-acyl phosphatidylethanolamine (NAPE) which participates in the biosynthesis of N-acyl ethanolamines. Mutations in ABHD5 contribute to Chanarin-Dorfman syndrome. ABDH6 may play a role in nervous system metabolism and signaling. ABHD14A is possibly involved in granule neuron development.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 39 kDa

Swiss-Prot:

Q8TB40

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

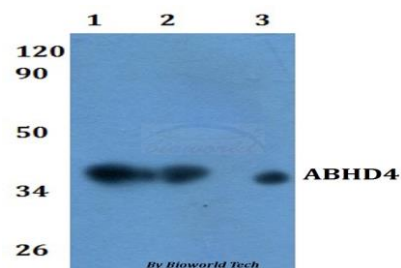
Storage&Stability:

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

Specificity:

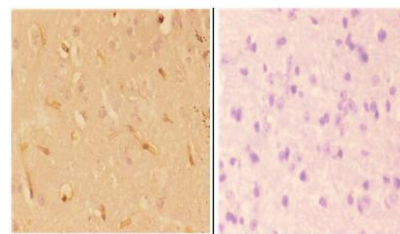
ABHD4 polyclonal antibody detects endogenous levels of ABHD4 protein.

DATA:



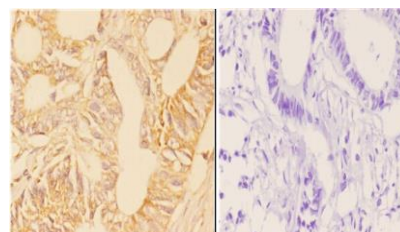
Western blot (WB) analysis of ABHD4 polyclonal antibody at 1:500 dilution Lane1:HEK293T whole cell lysate

Lane2:RAW264.7 whole cell lysate Lane3:H9C2 whole cell lysate



BS61120
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Immunohistochemistry (IHC) analyzes of ABHD4 pAb in paraffin-embedded mouse brain carcinoma tissue at 1:50, showing cytoplasmic and membrane 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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PRODUCT DATA SHEET

Bioworld Technology, Inc.

Immunohistochemistry (IHC) analyzes of ABHD4 pAb in paraffin-embedded human rectum carcinoma tissue at 1:50, showing cytoplasmic and membrane staining. Negative control (the right) Using PBS 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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