Hexb (S516) polyclonal antibody

Catalog: BCP00866 Host: Rabbit Reactivity: Human

BackGround:

Hexosaminidase B (HEXB), also designated beta-hexosaminidase B, is a Hexosaminidase B (HEXB), also designated b-hexosaminidase B, is a tetramer of two b-A and two b-B chains and is found in the lysosomes of cells. Sandhoff disease (SD), also known as GM2-gangliosidosis type II, is caused by mutations in the HEXB gene that affect the b subunit. These mutations disrupt the activity of HEXB and HEXA, which prevents the breakdown of GM2 ganglioside, a fatty material found in the brain, therby rendering both the HEXA and HEXB enzymes deficient. SD is a rare autosomal recessive disorder characterized by an accumulation of GM2 ganglioside, which causes progressive destruction of the central nervous system. Sandhoff disease is similar to Tay-Sachs disease, which is caused by mutations in the HEXA gene, although SD is more severe.

Product:

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

Molecular Weight:

~ 63 kDa

Swiss-Prot:

P07686

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

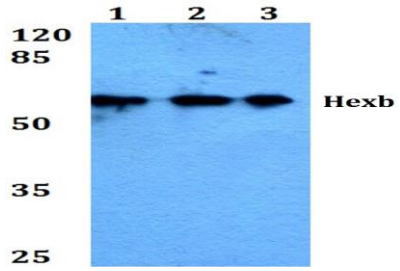
Storage&Stability:

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

Specificity:

Hexb (S516) polyclonal antibody detects endogenous levels of Hexb protein.

DATA:

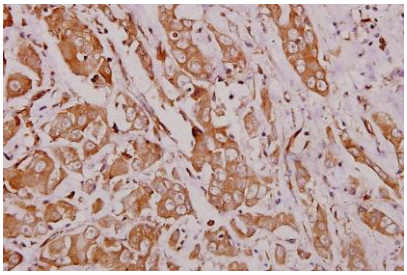


Western blot (WB) analysis of Hexb (S516) pAb at 1:500 dilution

Lane1:A549 whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

Lane3:U-87MG whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Hexb (S516) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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