

DBH polyclonal antibody

Catalog: BS5695

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Dopamine β -hydroxylase (DBH) catalyzes the conversion of dopamine to noradrenaline in the biosynthesis of catecholamines. DBH is selectively expressed in noradrenergic and adrenergic neurons, as well as in neuroendocrine cells, and it serves as a specific protein marker for noradrenergic processes. The active form of DBH is a homotetramer, which is found in the lumen of synaptic vesicles of corresponding nerve cells, where it localizes to both the membrane and cytosol. DBH is induced by nerve growth factor and insulin growth factor-1 and is regulated by intracellular second messengers protein kinase A, cyclic AMP, diacyl glycerol and Ca^{2+} . Expression of DBH is transcriptionally mediated by Sp1, CREB and AP-1 proteins including c-Fos, c-Jun and JunD.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 69, 78, 84 kDa

Swiss-Prot:

P09172

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

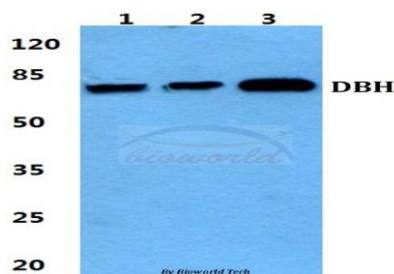
Storage&Stability:

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

Specificity:

DBH polyclonal antibody detects endogenous levels of DBH protein.

DATA:



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

Lane1: HEK293T cell lysate

Lane2: sp2/0 cell lysate

Lane3: NIH-3T3 cell lysate

Note:

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

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