DBH / Dopamine Beta-Hydroxylase Antibody

Mouse Monoclonal Antibody [Clone DBH/7224]

Catalog No	Format	Size
1621-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1621-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1621-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

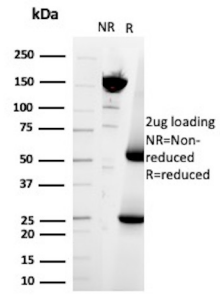
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

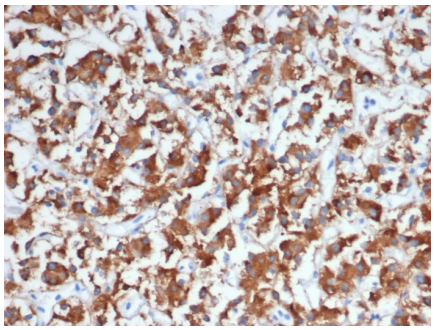
Clone	DBH/7224
Gene Name	DBH
Immunogen	Recombinant fragment (around aa200-400) of human DBH protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	78/84 kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Human adrenal gland or adrenal pheochromocytoma.

**Optimal dilution for a specific application should be determined.*

Product Images for DBH / Dopamine Beta-Hydroxylase Antibody



SDS-PAGE Analysis of Purified Dopamine beta-hydroxylase | Solubledopamine beta-hydroxylase Mouse Monoclonal Antibody (DBH/7224). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human adrenal gland stained withDopamine Beta-Hydroxylase Mouse Monoclonal Antibody (DBH/7224). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Dopamine ?-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 Ca2+. Expression of DBH is transcriptionally mediated by Sp1, CREB and AP-1 proteins including c-Fos, c-Jun and JunD.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Neuroscience

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.