ARG52261
anti-Dopamine beta Hydroxylase antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Sheep Polyclonal antibody recognizes Dopamine beta Hydroxylase
Tested Reactivity	Hu, Ms, NHuPrm
Tested Application	WB
Host	Sheep
Clonality	Polyclonal
Isotype	IgG
Target Name	Dopamine beta Hydroxylase
Species	Human
Immunogen	Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	EC 1.14.17.1; DBM; Dopamine beta-monooxygenase; Dopamine beta-hydroxylase

Application Instructions

Application table

Application	Dilution
WB	1:1,000

Application Note: Specific for the ~75k DBH protein in Western blots
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

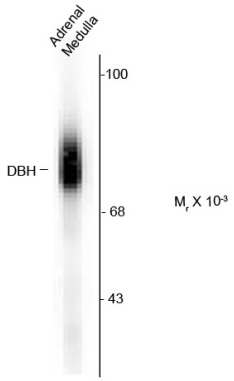
Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 13166 Mouse GeneID: 1621 Human

	Swiss-port # P09172 Human
	Swiss-port # Q64237 Mouse
Gene Symbol	DBH
Gene Full Name	dopamine beta-hydroxylase (dopamine beta-monooxygenase)
Background	DBH catalyzes the conversion of dopamine to norepinephrine and serves as a marker of noradrenergic cells. DBH antibodies and antibodies for other markers of catecholamine biosynthesis are widely used as markers for dopaminergic and noradrenergic neurons in a variety of applications including depression, schizophrenia, Parkinson's disease and drug abuse (Kish et al., 2001; Zhu et al., 2000; Zhu et al., 1999). The expression of DBH is also elevated during stress (Sabban and Kvetnansky, 2001).
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	69 kDa
PTM	N-glycosylated. Proteolytic cleavage after the membrane-anchor leads to the release of the soluble form.

Images



ARG52261 anti-Dopamine beta Hydroxylase antibody WB image

Western Blot: 20 ug of human adrenal medulla lysate showing specific immunolabeling of the ~75k DBH protein stained with Dopamine-Hydroxylase antibody (ARG52261).