



Mouse anti-Rat DBH monoclonal antibody, clone ECI (CABT-B10068)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Dopamine beta-hydroxylase (DBH).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	ECI
Conjugate	Unconjugated
Applications	WB, IHC, ICC, ELISA
Format	Lyophilized
Buffer	Lyophilized from PBS
Storage	Store at 4°C or -20°C on dry atmosphere. After reconstitution with water and glycerol (1:1), store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. It is present in the synaptic vesicles of postganglionic sympathetic neurons and converts dopamine to norepinephrine. It exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. [provided by RefSeq, Jul 2008]
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Keywords	DBH; dopamine beta-hydroxylase (dopamine beta-monooxygenase); DBM; dopamine beta-hydroxylase;
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GENE INFORMATION

Entrez Gene ID	25699
Pathway	Amine-derived hormones, organism-specific biosystem; Biogenic Amine Synthesis, organism-specific biosystem; Catecholamine biosynthesis, organism-specific biosystem; Catecholamine biosynthesis, tyrosine =>dopamine =>noradrenaline =>adrenaline, organism-specific biosystem;
Function	L-ascorbic acid binding; catalytic activity; copper ion binding; copper ion binding; dopamine beta-monooxygenase activity; dopamine beta-monooxygenase activity; dopamine beta-monooxygenase activity; dopamine beta-monooxygenase activity; metal ion binding;
