



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

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| 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

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| 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

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| Entrez Gene ID | 25699 |
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| 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; |
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| 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; |
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