

产品名称: DBH Rabbit Polyclonal Antibody
产品货号: APRab09813



产品概述 (Summary)

产品名称 (Production Name)	DBH Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	DBH
别名 (Alternative Names)	DBH; Dopamine beta-hydroxylase; Dopamine beta-monooxygenase
基因 ID (Gene ID)	1621.0
蛋白 ID (SwissProt ID)	P09172.The antiserum was produced against synthesized peptide derived from human DBH. AA range:401-450

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	69kDa

研究背景 (Background)

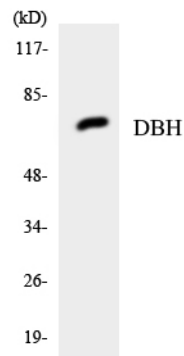
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The protein encoded by this gene is an oxidoreductase belonging to the copper type II, ascorbate-dependent monooxygenase family. It is present in the synaptic vesicles of postganglionic sympathetic neurons and converts dopamine to norepinephrine. It exists in both soluble and membrane-bound forms, depending on the absence or presence, respectively, of a signal peptide. [provided by RefSeq, Jul 2008],catalytic activity:3,4-dihydroxyphenethylamine + ascorbate + O(2) = noradrenaline + dehydroascorbate + H(2)O.,cofactor:Binds 1 PQQ per subunit.,cofactor:Binds 2 copper ions per subunit.,disease:Defects in DBH are the cause of DBH deficiency [MIM:223360]; also called norepinephrine deficiency or noradrenaline deficiency. This disorder is characterized by profound deficits in autonomic and cardiovascular function, but apparently only subtle signs, if any, of central nervous system dysfunction.,function:Conversion of dopamine to noradrenaline.,induction:Activity is enhanced by nerve growth factor (in superior cervical ganglia and adrenal medulla). Trans-synaptic stimulation with reserpine, acetylcholine and glucocorticoids.,online information:Dopamine beta hydroxylase entry,pathway:Catecholamine biosynthesis; norepinephrine biosynthesis; norepinephrine from dopamine: step 1/1.,polymorphism:There are two main alleles of DBH: DBH-A with Ala-318 and DBH-B with Ser-318.,similarity:Belongs to the copper type II ascorbate-dependent monooxygenase family.,similarity:Contains 1 DOMON domain.,subunit:Homotetramer composed of two non-covalently bound disulfide-linked dimers.,

研究领域 (Research Area)

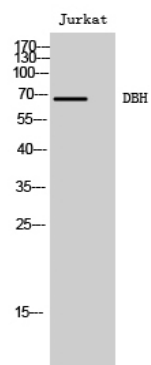
Tyrosine metabolism;

图片 (Image Data)



Western blot analysis of the lysates from Jurkat cells using DBH antibody.

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Western Blot analysis of Jurkat cells using DBH Polyclonal Antibody

注意事项 (Note)

For research use only .