产品名称：Choactase Rabbit Polyclonal Antibody
产品货号：APRab08771

产品概述（Summary）

产品名称（Production Name）	Choactase 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,Mouse,Rat

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）	CHAT
别名（Alternative Names）	CHAT; Choline O-acetyltransferase; CHOACTase; ChAT; Choline acetylase
基因 ID（Gene ID）	1103.0
蛋白 ID（SwissProt ID）	P28329.The antiserum was produced against synthesized peptide derived from human Choactase. AA range:334-383

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）	82,70kDa

研究背景（Background）

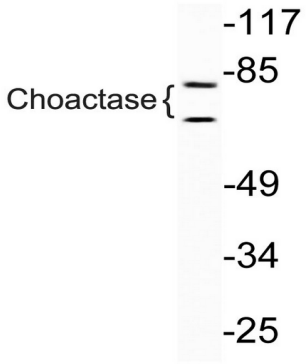
产品名称：Choactase Rabbit Polyclonal Antibody
产品货号：APRab08771

This gene encodes an enzyme which catalyzes the biosynthesis of the neurotransmitter acetylcholine. This gene product is a characteristic feature of cholinergic neurons, and changes in these neurons may explain some of the symptoms of Alzheimer's disease. Polymorphisms in this gene have been associated with Alzheimer's disease and mild cognitive impairment. Mutations in this gene are associated with congenital myasthenic syndrome associated with episodic apnea. Multiple transcript variants encoding different isoforms have been found for this gene, and some of these variants have been shown to encode more than one isoform. [provided by RefSeq, May 2010],catalytic activity:Acetyl-CoA + choline = CoA + O-acetylcholine.,disease:Defects in CHAT are the cause of congenital myasthenic syndrome with episodic apnea (CMSEA) [MIM:254210]; formerly known as familial infantile myasthenia gravis 2 (FIMG2). CMSEA is an autosomal recessive congenital myasthenic syndrome. Patients have myasthenic symptoms since birth or early infancy, negative tests for anti-AChR antibodies, and abrupt episodic crises with increased weakness, bulbar paralysis, and apnea precipitated by undue exertion, fever, or excitement.,function:Catalyzes the reversible synthesis of acetylcholine (ACh) from acetyl CoA and choline at cholinergic synapses.,online information:Choline acetyltransferase entry,similarity:Belongs to the carnitine/choline acetyltransferase family.,

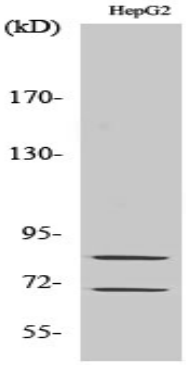
研究领域（Research Area）

Glycerophospholipid metabolism;

图片（Image Data）



Western blot analysis of lysate from HepG2 cells, using Choactase antibody.



产品名称：Choactase Rabbit Polyclonal Antibody
产品货号：APRab08771

Western Blot analysis of various cells using Choactase Polyclonal Antibody diluted at 1：1000

注意事项（Note）

For research use only .