

CES4A Antibody

Catalog No: #43923

Package Size: #43923 100ul

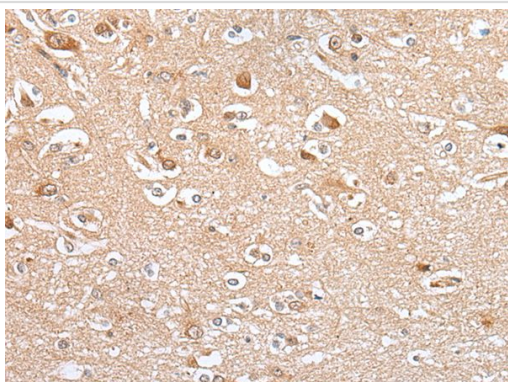
Description

Product Name	CES4A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total CES4A protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human CES4A
Conjugates	Unconjugated
Target Name	CES4A
Other Names	CES6; CES8
Accession No.	Swiss-Prot#: Q5XG92NCBI Gene ID: 283848
Concentration	0.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1: 20-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using CES4A Antibody at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x200)

Background

This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They also participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene, also called CES6, encodes a secreted enzyme,

and may play a role in the detoxification of drugs and xenobiotics in neural and other tissues of the body and in the cerebrospinal fluid. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature and/or biological validity of some variants have not been determined.

Published Papers

Qiaoli Chen;Quanxiang Hao;Yanping Yang;Limei Li;Danping Li;Ran Zhao;Wanqi Wei;Lixian Deng;Jiaming Su;Ziyuan Liang;Shiyue Tang;Yaomin Lu;Yushan Liang;Zhe Zhang;Xiaoying Zhou;Xue Xiao;Ping Li;Yi Huang;Weilin Zhao et al., Carboxylesterase 4A Inhibits the Malignant Biological Behavior of Nasopharyngeal Carcinoma via the PI3K/AKT Pathway., , (2025)

[PMID:39912257](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.