

产品名称: FA2H Rabbit Polyclonal Antibody
产品货号: APRab10744



产品概述 (Summary)

产品名称 (Production Name)	FA2H 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)	FA2H
别名 (Alternative Names)	Fatty acid 2-hydroxylase (EC 1.-.-.-) (Fatty acid alpha-hydroxylase)
基因 ID (Gene ID)	79152.0
蛋白 ID (SwissProt ID)	Q7L5A8.Synthesized peptide derived from human FA2H. at AA range: 101-150

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	55kDa

研究背景 (Background)

This gene encodes a protein that catalyzes the synthesis of 2-hydroxysphingolipids, a subset of sphingolipids that contain

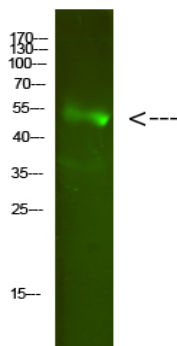
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2-hydroxy fatty acids. Sphingolipids play roles in many cellular processes and their structural diversity arises from modification of the hydrophobic ceramide moiety, such as by 2-hydroxylation of the N-acyl chain, and the existence of many different head groups. Mutations in this gene have been associated with leukodystrophy dysmyelinating with spastic paraparesis with or without dystonia.[provided by RefSeq, Mar 2010],cofactor:Iron.,disease:Defects in FA2H are the cause of leukodystrophy dysmyelinating with spastic paraparesis with or without dystonia (DLDSP) [MIM:612443]. The disorder consists of a progressive neurologic disease manifested by spasticity, disordered tonicity of muscle, and white matter degeneration.,domain:The histidine box domains may contain the active site and/or be involved in metal ion binding.,function:Required for alpha-hydroxylation of free fatty acids and the formation of alpha-hydroxylated sphingolipids.,induction:Up-regulated during keratinocyte differentiation.,similarity:Belongs to the SCS7 family.,similarity:Contains 1 cytochrome b5 heme-binding domain.,tissue specificity:Detected in differentiating cultured keratinocytes (at protein level). Detected in epidermis and cultured keratinocytes. Highly expressed in brain and colon. Detected at lower levels in testis, prostate, pancreas and kidney.,

研究领域 (Research Area)

图片 (Image Data)



Western Blot analysis of mouse-heart cells using primary antibody diluted at 1:2000 (4°C overnight) . Secondary antibody: Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour)

注意事项 (Note)

For research use only .