

Fa2h antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10466**Specification****Fa2h antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	Q5MPP0
Other Accession	NM_178086 , NP_835187
Reactivity	Human, Mouse, Rat, Zebrafish, Horse, Bovine, Dog
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43kDa KDa

Fa2h antibody - C-terminal region - Additional Information**Gene ID** 338521**Alias Symbol** **FAAH, Faxdc1, G630055L08Rik****Other Names**

Fatty acid 2-hydroxylase, 1.-.-., Fatty acid alpha-hydroxylase, Fa2h, Faah

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Fa2h antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Fa2h antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Fa2h antibody - C-terminal region - Protein Information**Name** FA2H**Function**

Catalyzes the hydroxylation of free fatty acids at the C-2 position to produce 2-hydroxy fatty acids, which are building blocks of sphingolipids and glycosphingolipids common in neural tissue and epidermis (PubMed: [15658937](http://www.uniprot.org/citations/15658937), PubMed: [16998236](http://www.uniprot.org/citations/16998236), PubMed: [22517924](http://www.uniprot.org/citations/22517924)). FA2H is stereospecific for the production of (R)-2-hydroxy fatty acids (PubMed: [22517924](http://www.uniprot.org/citations/22517924))

target="_blank">22517924). Plays an essential role in the synthesis of galactosphingolipids of the myelin sheath (PubMed:15658937, PubMed:18815260). Responsible for the synthesis of sphingolipids and glycosphingolipids involved in the formation of epidermal lamellar bodies critical for skin permeability barrier (By similarity). Participates in the synthesis of glycosphingolipids and a fraction of type II wax diesters in sebaceous gland, specifically regulating hair follicle homeostasis (PubMed:21628453). Involved in the synthesis of sphingolipids of plasma membrane rafts, controlling lipid raft mobility and trafficking of raft-associated proteins (PubMed:22517924).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Microsome membrane; Multi-pass membrane protein

Tissue Location

Expressed in brain (at protein level) (PubMed:16998236). Detected in cerebellum and forebrain (PubMed:15658937, PubMed:18815260). Expression in the white matter is mainly restricted in oligodendrocytes (PubMed:15658937). Expressed in stomach, kidney, skin and testis (PubMed:15658937). Expressed in sebaceous gland (PubMed:21628453).

Fa2h antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

