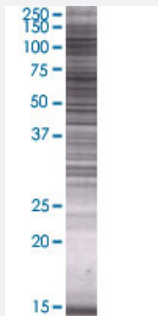


FA2H 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00079152-T01

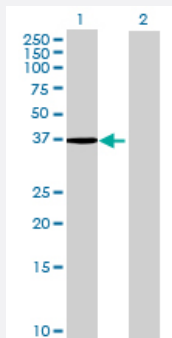
Size 100 uL

Applications



SDS-PAGE Gel

FA2H transfected lysate.



Western Blot

Lane 1: FA2H transfected lysate (41.03 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-FA2H full-length
Host	Human
Theoretical MW (kDa)	41.03
Interspecies Antigen Sequence	Mouse (82); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-FA2H antibody ([H00079152-B01](#)) by Western Blots.
SDS-PAGE Gel
FA2H transfected lysate.
Western Blot
Lane 1: FA2H transfected lysate (41.03 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — FA2H

Entrez GeneID

[79152](#)

GeneBank Accession#

[BC017049.1](#)

Protein Accession#

[AAH17049.2](#)

Gene Name

FA2H

Gene Alias

FAAH, FAH1, FAXDC1, FLJ25287, SCS7

Gene Description

fatty acid 2-hydroxylase

Omim ID

[611026](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Sphingolipids are a large class of lipids found in all eukaryotic cells and are involved in numerous cellular processes. The structural diversity of sphingolipids stems from more than 300 distinct head groups, as well as from modifications of the hydrophobic ceramide moiety. FA2H catalyzes a common modification of the ceramide moiety: hydroxylation at the 2 position of the N-acyl chain. Sphingolipids containing 2-hydroxy fatty acid are common in nervous and epidermal tissue. Glycosphingolipids containing a high proportion of 2-hydroxy fatty acid are critical components of myelin, and several very long chain ceramides with 2-hydroxy fatty acids are important for the permeability barrier function of epidermis (Alderson et al., 2004 [PubMed 15337768]).[supplied by OMIM]

Other Designations

fatty acid hydroxylase domain containing 1

Disease

- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)