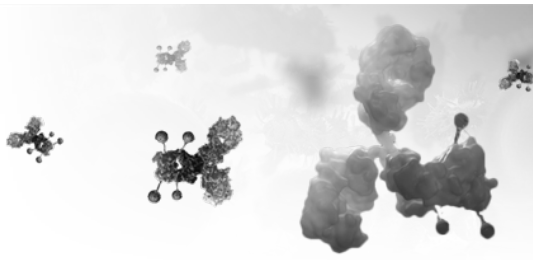

Anti-FA2H monoclonal antibody (DCABH-11478)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]).
Immunogen	A synthetic peptide of human FA2H is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	FA2H fatty acid 2-hydroxylase [Homo sapiens]
Official Symbol	FA2H
Synonyms	FA2H; fatty acid 2-hydroxylase; fatty acid hydroxylase domain containing 1 , FAXDC1, spastic paraplegia 35 (autosomal recessive) , SPG35; FAAH; fatty acid hydroxylase; FLJ25287; fatty acid alpha-hydroxylase; fatty acid hydroxylase domain containing 1; spastic paraplegia 35 (autosomal recessive); FAH1; SCS7; SPG35; FAXDC1;
Entrez Gene ID	79152
Protein Refseq	NP_077282
UniProt ID	Q7L5A8
Chromosome Location	16q23
Function	heme binding; metal ion binding; oxidoreductase activity;

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