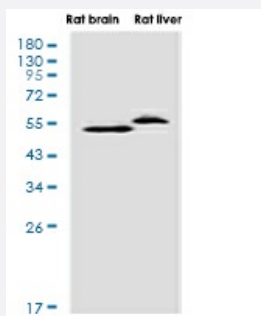


RecomAb™

FADS1 recombinant monoclonal antibody, clone R02-1F0

Catalog # RAB01453 Size 100 uL

Applications



Western Blot

Western blot analysis of FADS1 in rat brain, rat liver lysates using FADS1 antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human FADS1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human FADS1.
Theoretical MW (kDa)	Calculated MW: 52 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence Immunohistochemistry (Frozen sections) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.

Storage Buffer	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of FADS1 in rat brain, rat liver lysates using FADS1 antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

- Immunofluorescence

Gene Info — FADS1

Entrez GeneID	3992
Protein Accession#	O60427
Gene Name	FADS1
Gene Alias	D5D, FADS6, FADSD5, FLJ38956, FLJ90273, LLCDL1, TU12
Gene Description	fatty acid desaturase 1
Omim ID	606148
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members FADS1 and FADS2 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. [provided by RefSeq]

Other Designations

delta(5) desaturase|delta-5 desaturase|delta-5 fatty acid desaturase|linoleoyl-CoA desaturase (delta-6-desaturase)-like 1

Pathway

- [Biosynthesis of unsaturated fatty acids](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Depression](#)
- [Depressive Disorder](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperlipidemia](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Macular Degeneration](#)

- [Neoplasms](#)
- [Rhinitis](#)
- [Syndrome](#)