

## FADS2

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**Reactivity:**Human Mouse

**Tested applications:**WB

**Recommended Dilution:**WB 1:1000 - 1:2000

**Calculated MW:**52kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human FADS2

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

D6D; DES6; TU13; FADSD6; LLCDL2; SLL0262;

**Catalog #:**A10270

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**9415

**Isotype:**IgG

**Swiss Prot:**O95864

**Purity:**Affinity purification

For research use only.

**Background:**

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 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization. Alternative splicing results in multiple transcript variants encoding different isoforms.

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