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Datasheet for ABIN7152609  
**anti-FADS1 antibody (AA 1-121) (HRP)**

### Overview

Quantity:	100 µg
Target:	FADS1
Binding Specificity:	AA 1-121
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADS1 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Fatty acid desaturase 1 protein (1-121AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	FADS1
Alternative Name:	FADS1 ( <a href="#">FADS1 Products</a> )
Background:	Background: Isoform 2 does not exhibit any catalytic activity toward 20:3n-6, but it may enhance FADS2 activity (By similarity). Isoform 1 is a component of a lipid metabolic pathway

## Target Details

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that catalyzes biosynthesis of highly unsaturated fatty acids (HUFA) from precursor essential polyunsaturated fatty acids (PUFA) linoleic acid (LA) (18:2n-6) and alpha-linolenic acid (ALA) (18:3n-3). Catalyzes the desaturation of dihomo-gamma-linoleic acid (DHGLA) (20:3n-6) and eicosatetraenoic acid (20:4n-3) to generate arachidonic acid (AA) (20:4n-6) and eicosapentaenoic acid (EPA)(20:5n-3), respectively.

Aliases: D5D antibody, Delta 5 desaturase antibody, Delta 5 fatty acid desaturase antibody, Delta(5) desaturase antibody, Delta(5) fatty acid desaturase antibody, Delta-5 desaturase antibody, Fads1 antibody, FADS1\_HUMAN antibody, FADS6 antibody, FADSD5 antibody, Fatty acid desaturase 1 antibody, FLJ38956 antibody, Linoleoyl CoA desaturase (delta 6 desaturase) like 1 antibody, LLCDL1 antibody, TU12 antibody

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UniProt: [O60427](#)

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Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.