

Datasheet for ABIN630410
anti-FADS1 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	FADS1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FADS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	FADS1 antibody was raised using the C terminal of FADS1 corresponding to a region with amino acids FNDWFSGHLNFQIEHHLFPTMPRHNYHKVAPLVQSLCAKHGIEYQSKPLL
Specificity:	FADS1 antibody was raised against the C terminal of FADS1
Purification:	Purified

Target Details

Target:	FADS1
Alternative Name:	FADS1 (FADS1 Products)
Background:	FADS1 is a member of the fatty acid desaturase (FADS) 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

Target Details

N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs.

Molecular Weight: 49 kDa (MW of target protein)

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

Application Details

Application Notes: WB: 2.5 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: FADS1 Blocking Peptide, catalog no. 33R-3002, is also available for use as a blocking control in assays to test for specificity of this FADS1 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of FADS1 antibody in PBS

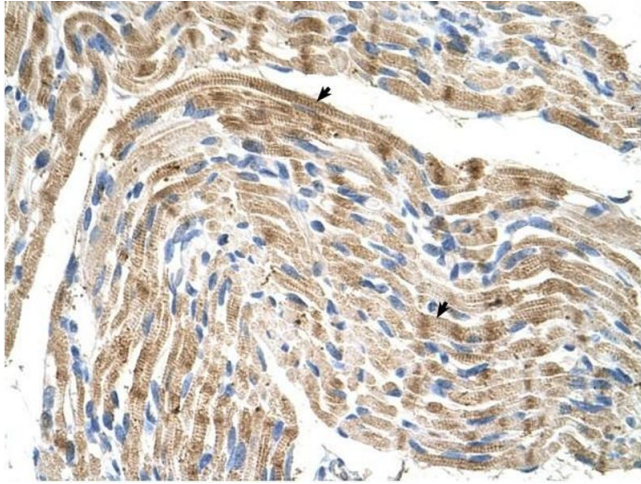
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. FADS1 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Skeletal muscle cells (arrows) in Human Muscle. Magnification is at 400X



Western Blotting

Image 2. FADS1 antibody used at 2.5 ug/ml to detect target protein.