

FADS2 Polyclonal Antibody

Catalog NumberPA5-25285

Product data sheet

Details		Species Reactivity	
Size	400 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Bovine
Class	Polyclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	1:10-1:50
Immunogen	KLH conjugated synthetic peptide between 96-122 amino acids from the central region of human FADS2	Western Blot (WB)	1:1,000
		Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.4 mg/mL		
Purification	Protein A, Antigen affinity chromatography		
Storage buffer	PBS		
Contains	0.09% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine and Xenopus based on sequence homology.

Background/Target Information

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.

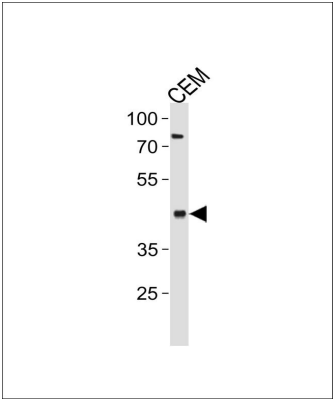
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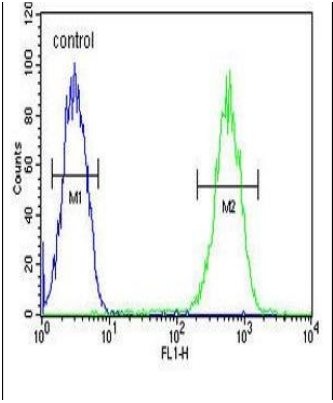
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Product Images For FADS2 Polyclonal Antibody



FADS2 Antibody (PA5-25285) in WB

Western blot analysis using a FADS2 polyclonal antibody (Product # PA5-25285) in CEM cell lysates (35 µg per lane).



FADS2 Antibody (PA5-25285) in Flow

Flow cytometry analysis of CEM cells using a FADS2 polyclonal antibody (Product # PA5-25285) (right) compared to a negative control cell (left) at a dilution of 1:10-50, followed by a FITC-conjugated goat anti-rabbit antibody

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PubMed References For FADS2 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-25285 was used in Western Blot to indicate that the c.1571A minor allele abolished the ability of miR-744 to bind FADS2, with a consequent increase in FADS2 expression levels and synthesis of omega-6 LC-PUFAs.
Bovine / Not Cited	<p>Animals : an open access journal from MDPI (2019; 9:)</p> <p>"A Functional 3' UTR Polymorphism of <i>FADS2</i> Affects Cow Milk Composition through Modifying Mir-744 Binding."</p> <p>Author(s):Li M,Lu X,Gao Q,Wang M,Arbab AAI,Sun Y,Chen Z,Zhang H,Karrow NA,Yang Z,Mao Y</p> <p>PubMed Article URL:http://dx.doi.org/10.3390/ani9121090</p>

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