

DATASHEET

FLAD1 Rabbit Polyclonal Antibody

CAT. NO. APA15642

KEY FEATURES

Target	FLAD1	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

This enzyme has two activities: FAD diphosphatase activity and FAD synthase activity . FAD diphosphatase acts on FAD and NADH to produce FMN and NMNH(2-), respectively . FAD synthase catalyzes the adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme . In addition to its catalytic activities, the protein also facilitates the delivery of FAD to client apo-flavoproteins . The balance between FAD synthesis and hydrolysis may be regulated by redox-sensing cysteine residues . At a much lower rate, FAD synthase catalyzes the reverse pyrophosphorolytic reaction .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

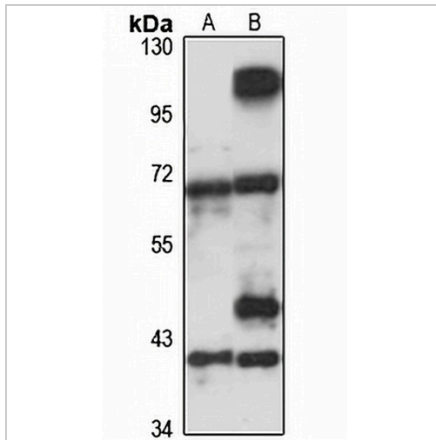
Description	Rabbit polyclonal antibody to FLAD1
Specificity	Recognizes endogenous levels of FLAD1 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human FLAD1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 32; Observed: 65 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	FAD synthase; FAD pyrophosphorylase; FMN adenylyltransferase; Flavin adenine dinucleotide synthase
Gene Symbol	FLAD1
Entrez Gene	80308(Human); 319945(Mouse)
SwissProt	Q8NFF5(Human); Q8R123(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of FLAD1 expression in U87MG (A), mouse brain (B) whole cell lysates. (Predicted band size: 32; 36; 49; 54; 65 kD; Observed band size: 65 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.