

FAF1 Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R	Endogenous	74 to 80	Rabbit	#Q9UNN5	11124

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

FAF1 Antibody detects endogenous levels of FAF1 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with synthetic peptides corresponding to a central region of FAF1 around residue 260. Antibodies are purified by protein A and affinity chromatography.

Background

FAF1 was originally identified through yeast two-hybrid screening, interacting with the cytoplasmic domain of Fas, a member of the TNF receptor superfamily that plays a critical role in apoptosis during development and immune function (1). FAF1 is widely expressed with highest expression observed in testis, skeletal muscle and heart (2). FAF1 potentiates Fas-mediated apoptosis and may induce apoptosis without Fas stimulation in some cell types. It does not contain typical death motifs, but rather has two amino-terminal domains with structural homology to ubiquitin. While the precise role of FAF1 during apoptosis is still unclear, it has been observed to be one of the components of the death-inducing signaling complex (DISC) during Fas-mediated apoptosis and can bind to caspase-8 and FADD (3). FAF1 has also been shown to suppress the activation of the NF-kappaB transcription factor (4).

Background References

1. Chu, K. et al. (1995) *Proc Natl Acad Sci U S A* 92, 11894-8.
2. Ryu, S.W. et al. (1999) *Biochem Biophys Res Commun* 262, 388-94.
3. Ryu, S.W. et al. (2003) *J Biol Chem* 278, 24003-10.
4. Park, M.Y. et al. (2004) *J Biol Chem* 279, 2544-9.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat

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