

Rabbit anti-Mouse, Rat FADD Polyclonal Antibody | anti-Fadd antibody

Anti-FADD Antibody

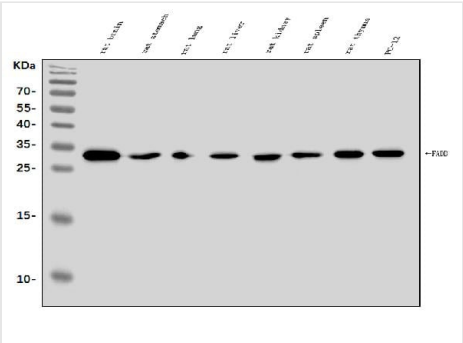
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125530	Rabbit	Mouse, Rat	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FADD; Polyclonal Antibody; Anti-FADD Antibody; Fadd; Mort1; FAS-associated death domain protein; FAS-associating death domain-containing protein; Mediator of receptor induced toxicity; Protein FADD; Fas (TNFRSF6)-associated via death domain; anti-Fadd antibody

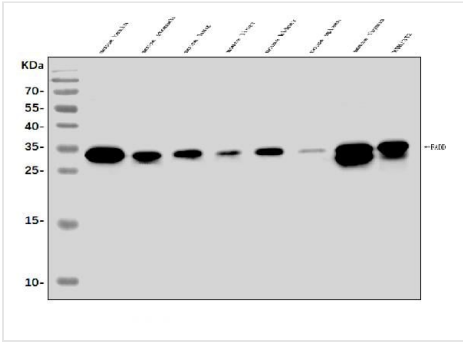
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for FADD detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.005mg NaN ₃ .
Applicable Applications for anti-Fadd antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of mouse FADD (AEKKNASVAGLVKALRTCRLNLVADLVVEEAQES).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 2. Western blot analysis of FADD using anti-FADD antibody (AAA125530).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions.Lane 1: rat brain tissue lysatesLane 2: rat stomach tissue lysatesLane 3: rat lung tissue lysatesLane 4: rat liver tissue lysatesLane 5: rat kidney tissue lysatesLane 6: rat spleen tissue lysatesLane 7: rat thymus tissue lysatesLane 8: rat PC-12 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-FADD antigen affinity purified polyclonal antibody (Catalog # AAA125530) at 0. 25 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for FADD at approximately 30KD. The expected band size for FADD is at 23KD.



WB (Western Blot)

Figure 1. Western blot analysis of FADD using anti-FADD antibody (AAA125530).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30ug of sample under reducing conditions.Lane 1: mouse brain tissue lysatesLane 2: mouse stomach tissue lysatesLane 3: mouse lung tissue lysatesLane 4: mouse liver tissue lysatesLane 5: mouse kidney tissue lysatesLane 6: mouse spleen tissue lysatesLane 7: mouse thymus tissue lysatesLane 8: mouse NIH/3T3 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1. 5 hour at RT. The membrane was incubated with rabbit anti-FADD antigen affinity purified polyclonal antibody (Catalog # AAA125530) at 0. 25 μg/mL overnight at 4 degree C, then washed with TBS-0. 1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1. 5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for FADD at approximately 30KD. The expected band size for FADD is at 23KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Fadd antibody	FADD, Fas-Associated protein with Death Domain, is a universal adaptor protein in apoptosis that mediates signaling of all known death domain-containing members of the TNF receptor superfamily. The FADD gene contains 2 exons and spans approximately 3. 6 kb. By analysis of somatic cell hybrid panels and by fluorescence in situ hybridization, the FADD gene is mapped to 11q13. 3. The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, thus, it participates in the death signaling initiated by these receptors.
References	1. Kabra, N. H., Kang, C., Hsing, L. C., Zhang, J., Winoto, A. T cell-specific FADD-deficient mice: FADD is required for early T cell development. Proc. Nat. Acad. Sci. 98: 6307-6312, 2001. 2. Kim, P. K. M., Dutra, A. S., Chandrasekharappa, S. C., Puck, J. M. Genomic structure and mapping of human FADD, an intracellular mediator of lymphocyte apoptosis. J. Immun. 157: 5461-5466, 1996. 3. Lee, H. -J., Pyo, J. -O., Oh, Y., Kim, H. -J., Hong, S., Jeon, Y. -J., Kim, H., Cho, D. -H., Woo, H. -N., Song, S., Nam, J. -H., Kim, H. J., Kim, K. -S., Jung, Y. -K. AK2 activates a novel apoptotic pathway through formation of a complex with FADD and caspase-10. Nature Cell Biol. 9: 1303-1310, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753812
NCBI GeneID	14082
NCBI Accession #	NP_034305.1
NCBI GenBank Nucleotide #	NM_010175.5
UniProt Accession #	Q61160; Q3TC37; Q61082
Molecular Weight	22,960 Da
NCBI Official Full Name	protein FADD

NCBI Official Synonym Full Names	Fas (TNFRSF6)-associated via death domain
NCBI Official Symbol	Fadd
NCBI Official Synonym Symbols	Mort1/FADD
NCBI Protein Information	protein FADD; FAS-associated death domain protein; mediator of receptor induced toxicity; Fas-associating protein with death domain; FAS-associating death domain-containing protein
UniProt Protein Name	Protein FADD
UniProt Gene Name	Fadd
UniProt Synonym Gene Names	Mort1
UniProt Entry Name	FADD_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fadd-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/125530>