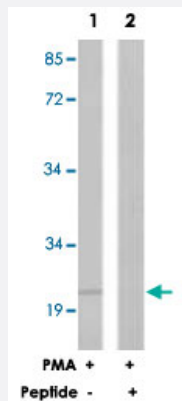


FADD polyclonal antibody

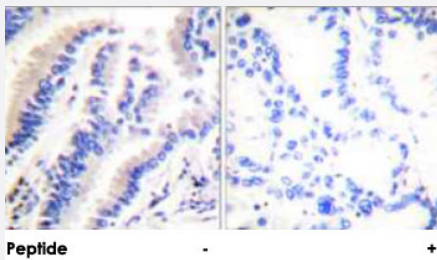
Catalog # PAB18152 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, treated with PMA (125 ng/mL, 30 mins), using FADD polyclonal antibody (Cat # PAB18152). Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using FADD polyclonal antibody (Cat # PAB18152). Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FADD.
Immunogen	A synthetic peptide corresponding to human FADD.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to FADD.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, treated with PMA (125 ng/mL, 30 mins), using FADD polyclonal antibody (Cat # PAB18152).

Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using FADD polyclonal antibody (Cat # PAB18152).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FADD

Entrez GeneID	8772
Protein Accession#	Q13158
Gene Name	FADD
Gene Alias	GIG3, MGC8528, MORT1
Gene Description	Fas (TNFRSF6)-associated via death domain
Omim ID	602457

Gene Ontology

[Hyperlink](#)

Gene Summary

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, and thus it participates in the death signaling initiated by these receptors. Interaction of this protein with the receptors unmasks the N-terminal effector domain of this protein, which allows it to recruit caspase-8, and thereby activate the cysteine protease cascade. Knockout studies in mice also suggest the importance of this protein in early T cell development. [provided by RefSeq]

Other Designations

Fas-associated via death domain|Fas-associating death domain-containing protein|Fas-associating protein with death domain|growth-inhibiting gene 3 protein|mediator of receptor-induced toxicity

Publication Reference

- [Phosphorylated FADD induces NF-kappaB, perturbs cell cycle, and is associated with poor outcome in lung adenocarcinomas.](#)

Chen G, Bhojani MS, Heaford AC, Chang DC, Laxman B, Thomas DG, Griffin LB, Yu J, Coppola JM, Giordano TJ, Lin L, Adams D, Orringer MB, Ross BD, Beer DG, Rehemtulla A.

PNAS 2005 Aug; 102(35):12507.

Application: IHC-P, WB-Ti, Human, Human lung cancer, Jurkat cells

- [FADD is required for DR4- and DR5-mediated apoptosis: lack of trail-induced apoptosis in FADD-deficient mouse embryonic fibroblasts.](#)

Kuang AA, Diehl GE, Zhang J, Winoto A.

The Journal of Biological Chemistry 2000 Aug; 275(33):25065.

Application: WB-Ce, Mouse, MEFs

- [Phosphorylation of FADD/ MORT1 at serine 194 and association with a 70-kDa cell cycle-regulated protein kinase.](#)

Scaffidi C, Volkland J, Blomberg I, Hoffmann I, Krammer PH, Peter ME.

The Journal of Immunology 2000 Feb; 164(3):1236.

Application: IP, IP-WB, WB-Tr, Human, BJAB, 293T cells

Pathway

- [Apoptosis](#)
- [Pathways in cancer](#)

- [Toll-like receptor signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)