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FADD Antibody(Center) Blocking peptide

Synthetic peptide
Catalog # BP19607c

Specification

FADD Antibody(Center) Blocking peptide - Product Information

Primary Accession Q13158

FADD Antibody(Center) Blocking peptide - Additional Information

Gene ID 8772

Other Names
FAS-associated death domain protein, FAS-associating death domain-containing protein, Growth-inhibiting gene 3 protein, Mediator of receptor induced toxicity, Protein FADD, FADD, MORT1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FADD Antibody(Center) Blocking peptide - Protein Information

Name FADD {ECO:0000303|PubMed:7538907, ECO:0000312|HGNC:HGNC:3573}

Function
Apoptotic adaptor molecule that recruits caspase-8 or caspase-10 to the activated Fas (CD95) or TNFR-1 receptors (PubMed:7538907, PubMed:23955153, PubMed:19118384, PubMed:20935634, PubMed:16762833, PubMed:24025841). The resulting aggregate called the death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation (PubMed:7538907, PubMed:19118384, PubMed:20935634, PubMed:16762833). Active caspase-8 initiates the subsequent cascade of caspases mediating apoptosis (PubMed:16762833). Involved in interferon- mediated antiviral immune response, playing a role in the positive regulation of

interferon signaling (PubMed:21109225).

Tissue Location
Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.

FADD Antibody(Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

FADD Antibody(Center) Blocking peptide - Images

FADD Antibody(Center) Blocking peptide - Background

The protein encoded by this gene is an adaptor moleculethat interacts with various cell surface receptors and mediatescell apoptotic signals. Through its C-terminal death domain, thisprotein can be recruited by TNFRSF6/Fas-receptor, tumor necrosisfactor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and thus itparticipates in the death signaling initiated by these receptors.Interaction of this protein with the receptors unmasks theN-terminal effector domain of this protein, which allows it torecruit caspase-8, and thereby activate the cysteine proteasecascade. Knockout studies in mice also suggest the importance ofthis protein in early T cell development.

FADD Antibody(Center) Blocking peptide - References

Hindryckx, P., et al. J. Immunol. 185(10):6306-6316(2010)Silva, L.K., et al. Eur. J. Hum. Genet. 18(11):1221-1227(2010)Papoff, G., et al. Biochim. Biophys. Acta 1803(8):898-911(2010)Li, P., et al. J. Biol. Chem. 285(29):22713-22722(2010)Ko, C.L., et al. Chang Gung Med J 33(2):145-151(2010)