

**FADD (phospho Ser194) Polyclonal Antibody**

<b>Catalog No :</b>	YP0628
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	FADD
<b>Fields :</b>	>>Platinum drug resistance;>>Apoptosis;>>Apoptosis - multiple species;>>Necroptosis;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>IL-17 signaling pathway;>>TNF signaling pathway;>>Alcoholic liver disease;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Pathogenic Escherichia coli infection;>>Salmonella infection;>>Chagas disease;>>Tuberculosis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Human cytomegalovirus infection;>>Influenza A;>>Human papillomavirus infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Pathways in cancer
<b>Gene Name :</b>	FADD
<b>Protein Name :</b>	Protein FADD
<b>Human Gene Id :</b>	8772
<b>Human Swiss Prot No :</b>	Q13158
<b>Mouse Swiss Prot No :</b>	Q61160
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human FADD around the phosphorylation site of Ser194. AA range:159-208
<b>Specificity :</b>	Phospho-FADD (S194) Polyclonal Antibody detects endogenous levels of FADD protein only when phosphorylated at S194.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG

**Dilution :** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

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**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 28kD

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**Cell Pathway :** Apoptosis\_Inhibition;Apoptosis\_Mitochondrial;Apoptosis\_Overview;Toll\_Like;RI G-I-like receptor;Alzheimer's disease;Pathways in cancer;

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**Background :** 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, Jul 2008],

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**Function :** domain:Contains a death domain involved in the binding of the corresponding domain within Fas receptor.,function:Apoptotic adaptor molecule that recruits caspase-8 or caspase-10 to the activated Fas (CD95) or TNFR-1 receptors. The resulting aggregate called the death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation. Active caspase-8 initiates the subsequent cascade of caspases mediating apoptosis.,PTM:Phosphorylated.,similarity:Contains 1 death domain.,similarity:Contains 1 DED (death effector) domain.,subunit:Interacts with CFLAR, PEA15 and MBD4. When phosphorylated, part of a complex containing HIPK3 and FAS. May interact with MAVS/IPS1. Interacts with MOCV v-CFLAR protein and LRDD.,tissue specificity:Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.,

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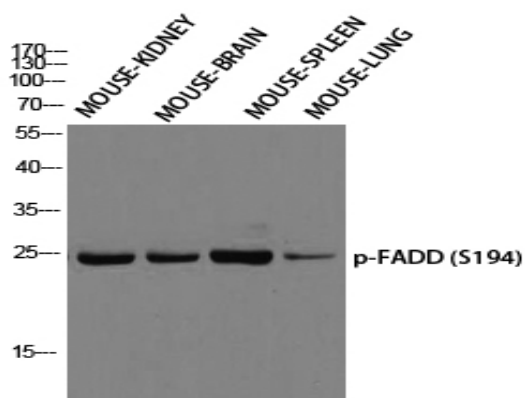
**Subcellular Location :** cytoplasm,cytosol,plasma membrane,death-inducing signaling complex,CD95 death-inducing signaling complex,neuron projection,cell body,membrane raft,ripiptosome,

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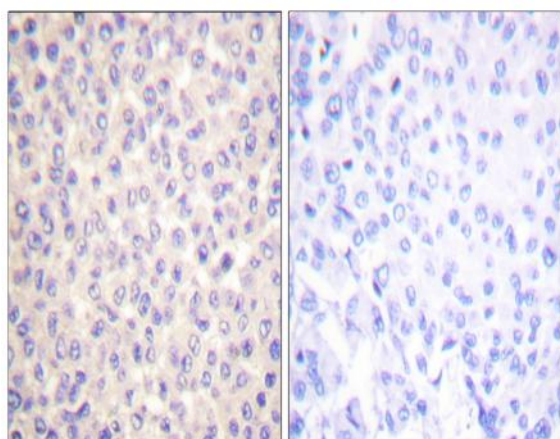
**Expression :** Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.

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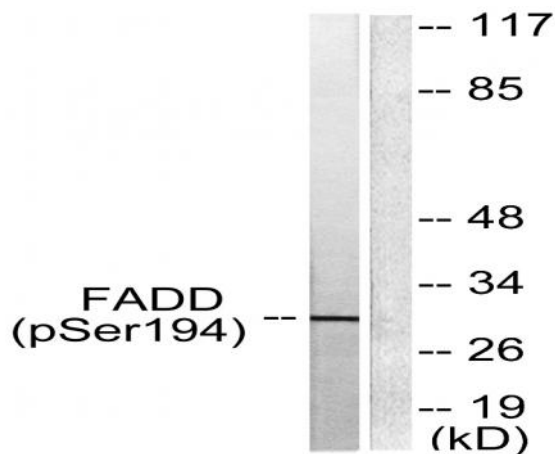
## Products Images



Western blot analysis of MOUSE-KIDNEY MOUSE-BRAIN MOUSE-SPLEEN MOUSE-LUNG using p-FADD (S194) antibody. Antibody was diluted at 1:1000



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using FADD (Phospho-Ser194) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with Paclitaxel 1uM 60', using FADD (Phospho-Ser194) Antibody. The lane on the right is blocked with the phospho peptide.