

## Product datasheet for **AP55837PU-S**

### FADD pSer191 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IHC, WB   |
| Recommended Dilution:   | <b>Western blot:</b> 1:500~1:1000.<br><b>Immunohistochemistry on paraffin sections:</b> 1:50~1:100.   |
| Reactivity:             | Human, Mouse  |
| Host:                   | Rabbit  |
| Clonality:              | Polyclonal  |
| Immunogen:              | Peptide sequence around phosphorylation site of Serine191(R-S-G(p)-A-M) derived from Human FADD (KLH-conjugated)  |
| Specificity:            | The antibody detects endogenous levels of FADD only when phosphorylated at serine 191.  |
| Formulation:            | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol<br>State: Aff - Purified<br>State: Liquid Ig fraction |
| Concentration:          | lot specific  |
| Purification:           | Affinity chromatography using epitope-specific peptide  |
| Conjugation:            | Unconjugated  |
| Storage:                | Upon receipt, store undiluted (in aliquots) at -20°C.<br>Avoid repeated freezing and thawing.   |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 25 kDa  |
| Gene Name:              | Fas associated via death domain   |
| Database Link:          | <a href="#">Entrez Gene 8772 Human Q13158</a>   |



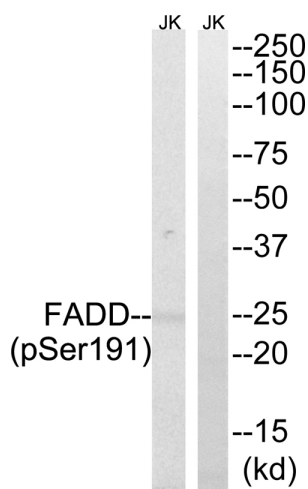
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**Background:**

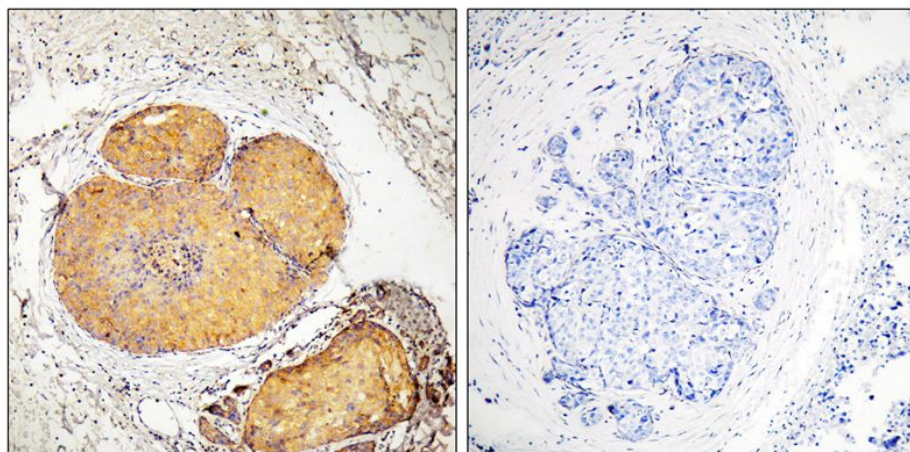
The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, 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.

**Synonyms:**

FAS-associated death domain protein, MORT1, GIG3

**Product images:**


Western blot analysis of extracts from Jurkat cells treated with PMA using FADD (Phospho-Ser191) Antibody. The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using FADD (Phospho-Ser191) Antibody (left) or the same antibody preincubated with blocking peptide (right).