

Taj/TROY Polyclonal Antibody

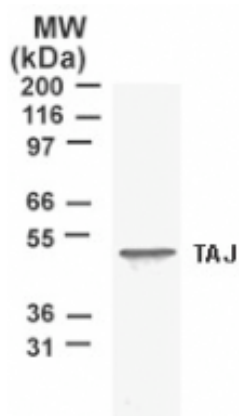
Product Specifications	
Catalog Number:	AAP-421
Host:	Rabbit
Species Reactivity:	Human and mouse
Applications: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB: 0.5-2 µg/mL
Predicted m.w.:	~46 kDa
Concentration:	See product label
Purification:	Protein G Affinity
Format:	PBS, 0.02% sodium azide
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at -20°C
Immunogen:	Synthetic peptide derived from the sequence of human Taj/TROY
Related Products:	
AAP-422	TRAF2 Polyclonal Antibody
AAP-480	ASK1 Polyclonal Antibody
CSA-815	TNF-R1 Polyclonal Antibody

Background:

Taj/TROY is a membrane protein of 423 amino acids with characteristic cysteine-rich motifs in the extracellular domain, and a TRAF2 binding sequence in the cytoplasmic domain¹⁻³. Taj/TROY is a member of the tumour necrosis factor receptor superfamily that lacks a death domain in its cytoplasmic tail. Taj-TROY is able to induce apoptosis independent of DNA fragmentation and caspase activation, and activates both JNK and NFκB pathways, possibly via binding of TRAF family members such as TRAF6^{4,5}. TROY mRNA is highly expressed in brain, prostate and embryo, and moderately expressed in the heart, lung, and liver¹⁻³.

References:

1. Eby, M.T., *et al.* (2000) J Biol Chem. **275**, 15336-15342.
2. Kojima, T., *et al.* (2000) J Biol Chem. **275**, 20742-20747.
3. Hu, S., *et al.* (1999) Genomics **62**, 103-107.
4. Naito, A., *et al.* (2002) PNAS USA **99**, 8766-8771.
5. Sinha, S.K., *et al.* (2002) J Biol Chem. **277**, 44953-44961.



Western blot analysis of human T98G glioblastoma cell lysate probed with Taj/TROY polyclonal antibody