

Product datasheet for **TA336577**

TROY (TNFRSF19) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 0.5-2 ug/ml
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	This rabbit polyclonal antibody was developed by immunizing rabbits with a mixture of synthetic peptides corresponding to amino acids 29-44, 204-219, and 409-421 of human TROY (Genbank Accession No. AB040434).
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Protein G purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	tumor necrosis factor receptor superfamily member 19
Database Link:	NP_061117 Entrez Gene 29820 Mouse Entrez Gene 55504 Human Q9NS68



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Background:

Analysis of EST clones and use of a signal sequence trap screening of the murine brain have lead to identification of a new member of the tumor necrosis factor receptor superfamily designated as TAJ and TROY, respectively. TAJ/TROY is a membrane protein of 423 amino acids with characteristic cysteine-rich motifs in the extracellular domain and a tumor necrosis factor receptor-associated factor (TRAF) 2 binding sequence in the cytoplasmic domain. Human TROY has 78% identity at the amino acid level with mouse TROY. The extracellular domain of TROY has significant homology with that of EDAR (another newly identified receptor belonging to TNF receptor family) that specifies hair follicle fate. The cytoplasmic domain of TAJ is different than other TNF receptor family members. Although its cytoplasmic domain does not contain death domain, TAJ/TROY induced cell death is probably mediated through a caspase-independent pathway. TAJ-induced JNK activation was not blocked by dominant-negative inhibitors of TRAF2, TRAF5, or ASK1, which have been previously implicated in JNK activation via TNFR1 and CD40. However, coimmunoprecipitation assays revealed that TAJ is capable of binding a number of different TRAF family members, and it is possible that TAJ-induced JNK activation is mediated by an as yet untested TRAF homolog, such as TRAF6. TROY mRNA is highly expressed in brain, prostate and embryo and moderately expressed in the heart, lung, liver.

Synonyms:

TAJ; TAJ-alpha; TRADE; TROY

Note:

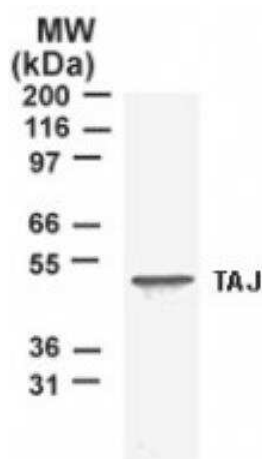
WB: Detects a band of approximately 46 kDa (predicted molecular weight: 50.8 kDa). For optimal results, primary antibody incubations should be performed at room temperature.

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Cytokine-cytokine receptor interaction

Product images:

Western Blot: TROY Antibody TA336577 - Analysis of TROY using TA336577 in T98G, a human glioblastoma cell line lysate. A protein band of approximately 46 kD is detected.