

TRADD

Reactivity:Human Mouse Rat

Tested applications:WB IHC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200

Calculated MW:34kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human TRADD

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bp

Synonym:

TRADD;Hs.89862;MGC11078 ;

Catalog #:A1145

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:8717

Isotype:IgG

Swiss Prot:Q3U0V2

Purity:Affinity purification

For research use only.

Background:

Apoptosis mediated by death factors like FasL and TNF- involves the formation of a death-inducing signaling complex (DISC) to their respective receptors (1). Upon ligand activation to their receptors, Fas and TNF-R1 associate with death domain (DD) containing adaptor proteins FADD (Fas associated death domain) (2,3) and TRADD (TNF-R1 associated death domain) (4). In addition to its carboxy-terminal DD, FADD contains an amino-terminal death effector domain (DED) that binds to DEDs found on caspase-8 which leads to activation of this initiator caspase (5,6). Caspase-8 subsequently activates downstream effector caspases, like caspase-3, resulting in the cleavage of proteins involved in the execution of apoptosis. Unlike FADD, TRADD does not contain a DED (4). Apoptosis driven by TNF-R1 binding to TRADD involves association of TRADD and FADD which then leads to activation of caspase-8 (7).

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