Product datasheet

Anti-TNF Receptor I antibody ab90463

Overview

Product name: Anti-TNF Receptor I antibody
Description: Rabbit polyclonal to TNF Receptor I
Host species: Rabbit
Tested applications: Suitable for: WB, IP
Species reactivity: Reacts with: Mouse, Rat, Sheep, Rabbit, Hamster, Cow, Dog, Human, Pig, Saccharomyces cerevisiae, Xenopus laevis, Drosophila melanogaster, Monkey
Immunogen: Synthetic peptide derived from the sequence of mouse TNF Receptor 1
Positive control: Mouse brain, Rat brain, HeLa (heat shocked) or Jurkat membrane lysate

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.09% Sodium azide
Consituents: PBS, 50% Glycerol
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab90463 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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Application notes

IP: Use at a concentration of 12.5 µg/ml.
Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function
Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.

Involvement in disease
Familial hibernian fever
Multiple sclerosis 5

Sequence similarities
Contains 1 death domain.
Contains 4 TNFR-Cys repeats.

Domain
The domain that induces A-SMASE is probably identical to the death domain. The N-SMASE activation domain (NSD) is both necessary and sufficient for activation of N-SMASE. Both the cytoplasmic membrane-proximal region and the C-terminal region containing the death domain are involved in the interaction with TRPC4AP.

Post-translational modifications
The soluble form is produced from the membrane form by proteolytic processing.

Cellular localization
Cell membrane. Golgi apparatus membrane. Secreted. A secreted form is produced through proteolytic processing and Secreted. Lacks a Golgi-retention motif, is not membrane bound and therefore is secreted.

Images

All lanes: Anti-TNF Receptor I antibody (ab90463) at 1/1000 dilution

Lane 1: HeLa (heat shocked) cell extract
Lane 2: Jurkat cell extract

Predicted band size: 51 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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