Product datasheet

Anti-TNFR1/TNFRSF1A Antibody

Catalog Number: *BA4891*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-TNFR1/TNFRSF1A Antibody
Gene Name	TNFRSF1A
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human TNF Receptor I.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	55-60 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Tumor necrosis factor receptor 1(TNFR1), a potent cytokine, elicits a broad spectrum of biologic responses which are mediated by binding to a cell surface receptor. Its gene is located on 12p13.2. The coding region and the 3-prime untranslated region of TNFR1 are distributed over 10 exons. There are 2 different proteins that serve as major receptors for TNF-alpha, one associated with myeloid cells and one associated with epithelial cells. Additionally, TNFR1 associates with the MADD protein through a death domain-death domain interaction. MADD provides a physical link between TNFR1 and the induction of mitogen-activated protein(MAP) kinase(e.g., ERK2) activation and arachidonic acid release. TNFR1-induced apoptosis involves 2 sequential signaling complexes. Complex I, the initial plasma membrane-bound complex, consists of TNFR1, the adaptor TRADD, the kinase RIP1, and TRAF2 and rapidly signals activation of NF-kappa-B. In a second step, TRADD and RIP1 associate with FADD and caspase-8, forming a cytoplasmic complex, complex II.

Reference

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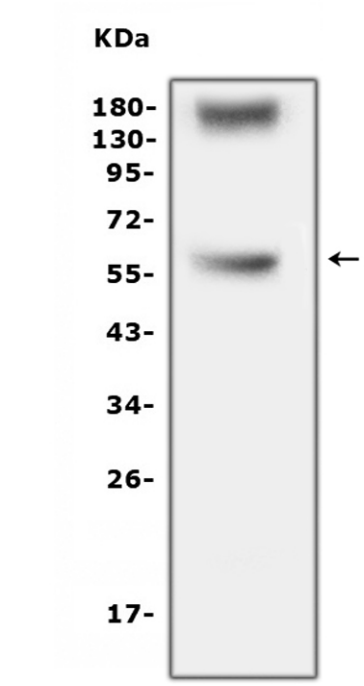
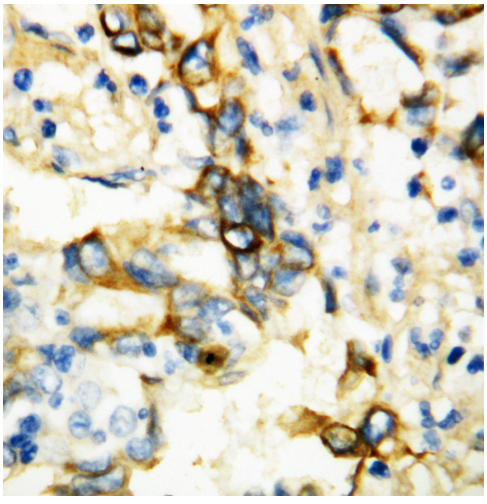
Anti-TNFR1/TNFRSF1A Antibody被引用在1文献中。

Selected Validation Data



Western blot analysis of TNFR1/TNFRSF1A using anti-TNFR1/TNFRSF1A antibody (BA4891). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human SW579 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TNFR1/TNFRSF1A antigen affinity purified polyclonal antibody (BA4891) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TNFR1/TNFRSF1A at approximately 55-60 kDa. The expected band size for TNFR1/TNFRSF1A is at 50 kDa.



IHC analysis of TNFR1/TNFRSF1A using anti-TNFR1/TNFRSF1A antibody (BA4891).
TNFR1/TNFRSF1A was detected in a paraffin-embedded section of human mammary tissue. The tissue section was incubated with rabbit anti-TNFR1/TNFRSF1A Antibody (BA4891) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.