Product datasheet

Anti-TRIF/TICAM1 Antibody

Catalog Number: *BA3857*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-TRIF/TICAM1 Antibody
Gene Name	TICAM1
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 at the C-terminus of human TRIF.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	110 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

TICAM(TIR DOMAIN-CONTAINING ADAPTOR MOLECULE 1), also known as TICAM1 or TRIF, is an adapter in responding to activation of toll-like receptors(TLRs). It mediates the rather delayed cascade of two TLR-associated signaling cascades, where the other one is dependent upon a MyD88 adapter. By genomic sequence analysis, Oshiumi et al.(2003) mapped the TICAM1 gene to chromosome 19p13.3. By coimmunoprecipitation analysis, Oshiumi et al.(2003) showed that TICAM1 interacts specifically with TLR3, but not with other TLRs. Functional analysis showed that the association of TLR3 and TICAM1 mediates dsRNA activation of IFNB, through either NFKB, AP1, or IRF3. TICAM1 activation of NFKB was found to occur predominantly through IRAK1 rather than IRAK2. Small interfering(si)RNA blockage of TICAM1, just upstream of the TIR domain, reduced IFNB production in response to dsRNA.

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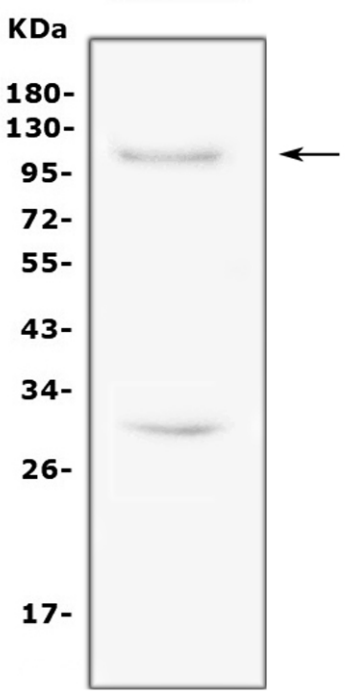
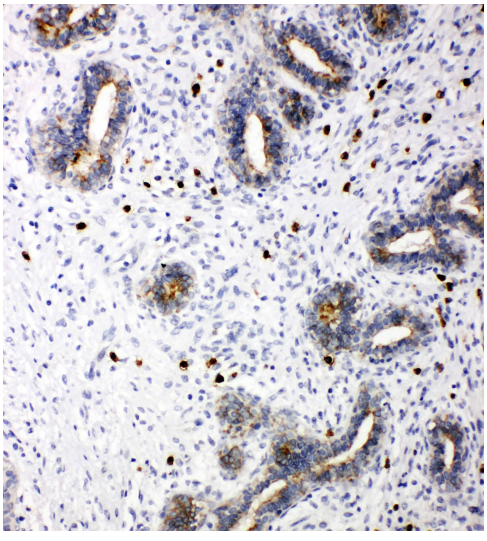
Selected Validation Data



Western blot analysis of TRIF/TICAM1 using anti-TRIF/TICAM1 antibody (BA3857). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Raji whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TRIF/TICAM1 antigen affinity purified polyclonal antibody (BA3857) 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 TRIF/TICAM1 at approximately 110 kDa. The expected band size for TRIF/TICAM1 is at 76 kDa.



IHC analysis of TRIF/TICAM1 using anti-TRIF/TICAM1 antibody (BA3857).
TRIF/TICAM1 was detected in a paraffin-embedded section of human mammary cancer tissue. The tissue section was incubated with rabbit anti-TRIF/TICAM1 Antibody (BA3857) 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.

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