Datasheet for ABIN3042956

anti-TICAM1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	TICAM1
Binding Specificity:	AA 693-708, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TICAM1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for TIR domain-containing adapter molecule 1(TICAM1) detection. Tested with WB in Mouse.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of mouse TRIF(693-708aa NNHMWGHTGAQSSDDK).
Sequence:	NNHMWGHTGA QSSDDK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for TIR domain-containing adapter molecule 1(TICAM1) detection. Tested with WB in Mouse. Gene Name: toll-like receptor adaptor molecule 1 Protein Name: TIR domain-containing adapter molecule 1

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	TICAM1
Alternative Name:	TICAM1 (TICAM1 Products)
Background:	TICAM1(TIR DOMAIN-CONTAINING ADAPTOR MOLECULE 1), also known as 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. Synonyms: MGC35334 antibody|Proline rich vinculin and TIR domain containing protein B antibody|Proline-rich antibody|PRVTIRB antibody|Putative NF kappa B activating protein 502H antibody|Putative NF-kappa-B-activating protein 502H antibody|Putative NFkB activating protein antibody|TCAM1_HUMAN antibody|TICAM 1 antibody|TICAM-1 antibody|TICAM1 antibody|TIR domain containing adapter molecule 1 antibody|TIR domain containing adapter protein inducing IFN beta antibody|TIR domain containing adaptor inducing interferon beta antibody|TIR domain-containing adapter molecule 1 antibody|TIR domain-containing adapter protein inducing IFN-beta antibody|Toll interleukin 1 receptor domain containing adapter protein inducing interferon beta antibody|Toll like receptor adaptor molecule 1 antibody|Toll-interleukin-1 receptor domain-containing adapter protein inducing interferon beta antibody|TRIF antibody|TRIF protein antibody|vinculin and TIR domain-containing protein B antibody
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Hepatitis C, Toll-Like Receptors Cascades

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, The detection limit for TICAM1 is approximately 0.5 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

Application Details

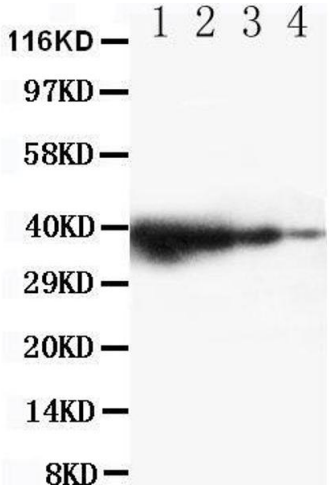
	fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	Liu, Mei, Xu, Yu, Shi, Zhang, Wang, Zhang, Gao, Zhang, He: "Dual Receptor Recognizing Cell Penetrating Peptide for Selective Targeting, Efficient Intratumoral Diffusion and Synthesized Anti-Glioma Therapy." in: **Theranostics**, Vol. 6, Issue 2, pp. 177-91, (2017) (PubMed).



Western Blotting

Image 1.