

Datasheet for ABIN682018
anti-TNFRSF1A antibody (AA 1-100)



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Overview

Quantity:	100 µL
Target:	TNFRSF1A
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TNF Receptor I
Isotype:	IgG
Specificity:	This antibody will recognize Isoform 1, 4 and 5, but not Isoform 2 or 3.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	TNFRSF1A
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Target Details

Alternative Name:	TNFR1 (TNFRSF1A Products)
Background:	Synonyms: Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor 1, TNF-R1, Tumor necrosis factor receptor type I, TNF-RI, TNFR-I, p55, p60, CD120a, TNFRSF1A, TNFAR, TNFR1 Background: 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.
Gene ID:	7132
UniProt:	P19438
Pathways:	NF-kappaB Signaling , Apoptosis , Caspase Cascade in Apoptosis , Hepatitis C , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C

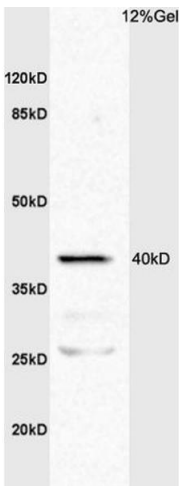
Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

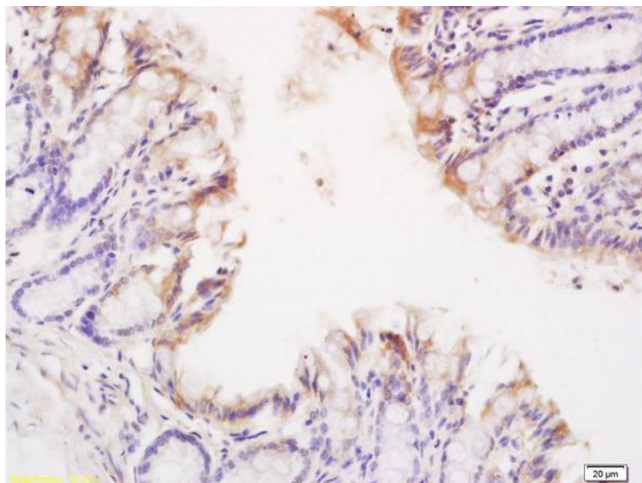
Product cited in:	Abdel-Hamid, El-Azab, Moustafa: "Macrolide antibiotics differentially influence human HepG2 cytotoxicity and modulate intrinsic/extrinsic apoptotic pathways in rat hepatocellular carcinoma model." in: Naunyn-Schmiedeberg's archives of pharmacology, Vol. 390, Issue 4, pp. 379-395, (2017) (PubMed). Fukui, Nakamura, Takahashi, Iwamoto, Hasegawa, Yanagihara, Nakamura, Okayama, Kawakami: "Tumor necrosis factor alpha inhibitors have no effect on a human T-lymphotropic virus type-I (HTLV-I)-infected cell line from patients with HTLV-I-associated myelopathy." in: BMC immunology, Vol. 18, Issue 1, pp. 7, (2017) (PubMed). Wang, Li, Liu, Wang, Cao: "Inhibitory effect of Zanthoxylum bungeanum seed oil on ovalbumin-induced lung inflammation in a murine model of asthma." in: Molecular medicine reports, Vol. 13, Issue 5, pp. 4289-302, (2017) (PubMed).
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Images



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Image 1. L1 mouse intestine lysates probed with Anti TNFR1/TNF Receptor I Polyclonal Antibody, Unconjugated (ABIN682018) at 1:200 overnight at 4 °C. Followed by conjugation to secondary antibody at 1:3000 for 90 min at 37 °C. Predicted band 40kD/26kD. Observed band size:40kD/26kD.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded mouse small intestine labeled with Anti-TNFR1/TNF Receptor I Polyclonal Antibody, Unconjugated (ABIN682018) at 1:200 followed by conjugation to the secondary antibody and DAB staining.