Datasheet for ABIN2792105

anti-TNFRSF1A antibody (N-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	TNFRSF1A
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNFRSF1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TNFRSF1A
Sequence:	MGLSTVPDLL LPLVLLELLV GIYPSGVIGL VPHLGDREKR DSVCPQGKYI
Predicted Reactivity:	Guinea Pig: 84%, Human: 100%, Mouse: 92%
Characteristics:	This is a rabbit polyclonal antibody against TNFRSF1A. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TNFRSF1A

Target Details

Alternative Name:	TNFRSF1A (TNFRSF1A Products)
Background:	TNFRSF1A is the 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. TNFRSF1A contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappaB, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. Alias Symbols: CD120a, FPF, MGC19588, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60 Protein Interaction Partner: RIPK1, UBC, UCHL1, TNF, STAMBP, RNF8, TRAF2, TRADD, ADAM17, LTA, SRC, SHARPIN, KHDRBS1, IKBKB, CHUK, MAP3K7, PPP1CA, PIK3R1, JAK2, ATF6, PRDX3, OPTN, FADD, TNFRSF1A, SGTA, PRKCD, PRKCB, HRG, GYS2, BIRC2, UBQLN1, MAGEH1, SOS1, MYOC, GRB2, DAXX, BIRC3, Traf Protein Size: 455
Molecular Weight:	48 kDa
Gene ID:	7132
NCBI Accession:	NM_001065, NP_001056
UniProt:	P19438
Pathways:	NF-kappaB Signaling, Apoptosis, Caspase Cascade in Apoptosis, Hepatitis C, Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.

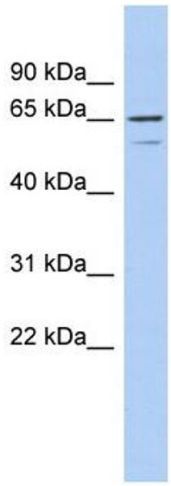
Application Details

Comment:	Antigen size: 455 AA
Restrictions:	For Research Use only

Handling

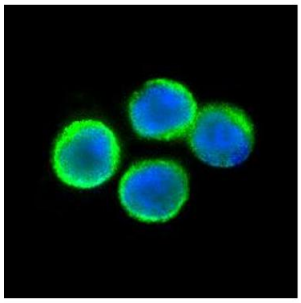
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

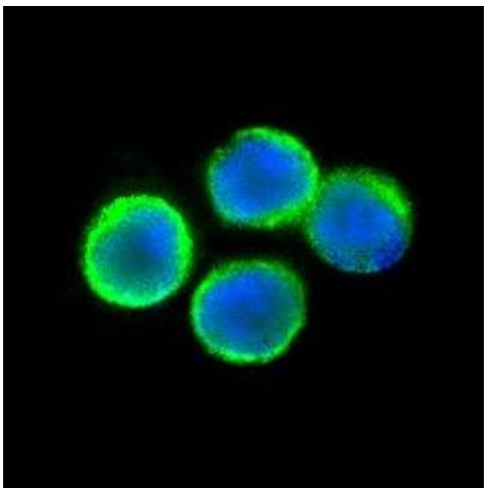
Image 1. WB Suggested Anti-TNFRSF1A Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: DU145 cell lysate TNFRSF1A is supported by BioGPS gene expression data to be expressed in DU145



TNFRSF1A (AVARP00034_P050)
Immunofluorescent TNFRSF1A detection in human lymphocytes (green fluorescence). Nuclei were stained with DAPI (blue fluorescence).

Suitable for IHC on human cells. Working dilution 5-10 ug/mL

Image 2.



Immunohistochemistry

Image 3. Immunofluorescent TNFRSF1A detection in human lymphocytes (green fluorescence). Nuclei were stained with DAPI (blue fluorescence). Working dilution 5-10 ug/ml

Please check the product details page for more images. Overall 4 images are available for ABIN2792105.