

Datasheet for ABIN1105792
anti-TNFRSF1A antibody



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1 Publication

Overview

Quantity:	0.1 mg
Target:	TNFRSF1A
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TNFRSF1A antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA), Functional Studies (Func)

Product Details

Clone:	H398
Isotype:	IgG2a
Cross-Reactivity (Details):	Species reactivity (tested):Human, Rat.
Purification:	Protein G

Target Details

Target:	TNFRSF1A
Alternative Name:	CD120a / TNFR1 (TNFRSF1A Products)
Background:	TNF-RI (~55-60 kDa) is present on most cell types and is considered to play a prominent role in cell stimulation by TNF-alpha. TNF-alpha activates inflammatory responses, induces apoptosis,

Target Details

regulates cellular proliferation, and may even promote cancer progression. The effects of TNF-alpha are mediated by TNF-RI and TNF-RII, which have both distinct and overlapping downstream signaling cascades. Induction of cytotoxicity and other functions are mediated largely via TNF-RI. TNF-RI is equally well activated by both the 17 kDa soluble and 26 kDa membrane-bound form, whereas TNF-RII is efficiently activated only by the membrane bound form of TNF-alpha. TNF-RI signaling is initiated when trimeric TNF-alpha binds TNF-RI receptors. Subsequent TNF-RI trimerization promotes the recruitment of a proximal signaling complex composed of TNF Receptor Associated protein with a Death Domain (TRADD), Receptor Interacting Protein (RIP), cellular Inhibitor of Apoptosis Protein 1 (cIAP1), TNF Receptor Associated Factor 2 (TRAF2), and likely TRAF5. Studies with TNF-RI-deficient mice indicate that TNF-RI mediates most of the proliferation, pro-inflammatory, and apoptosis-activating pathways. Synonyms: TNF-R1, TNF-RI, TNFR-I, Tnfrsf1a, Tumor necrosis factor receptor 1, Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor type I, p55, p60

Gene ID: 9606

UniProt: [P19438](#)

Pathways: [NF-kappaB Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Hepatitis C](#), [Ubiquitin Proteasome Pathway](#)

Application Details

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

Restrictions: For Research Use only

Handling

Concentration: 0.1 mg/mL

Buffer: PBS, 0.1 % BSA

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Prior to reconstitution store at -70 °C. Following reconstitution store the antibody (in aliquots) at -20 °C for 6 month.

Expiry Date: 6 months

Publications

Product cited in: Krippner-Heidenreich, Grunwald, Zimmermann, Kühnle, Gerspach, Sterns, Shnyder, Gill, Männel, Pfizenmaier, Scheurich: "Single-chain TNF, a TNF derivative with enhanced stability and antitumoral activity." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 180, Issue 12, pp. 8176-83, (2008) ([PubMed](#)).