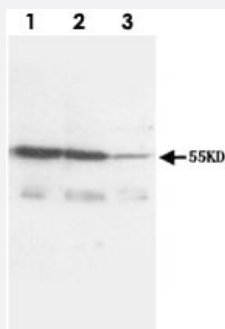


TNFRSF1A polyclonal antibody

Catalog # PAB12277 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of TNFRSF1A expression from cell extracts with TNFRSF1A polyclonal antibody (Cat # PAB12277).

Lane 1 : HT1080 whole cell lysate.

Lane 2 : smmc cell lysate.

Lane 3 : MM453 whole cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TNFRSF1A.
Immunogen	A synthetic peptide corresponding to amino acids at N-terminus of human TNFRSF1A.
Host	Rabbit
Theoretical MW (kDa)	50
Reactivity	Goat, Human, Mouse, Rat
Specificity	Different to the related rat sequence by a single amino acid.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of TNFRSF1A expression from cell extracts with TNFRSF1A polyclonal antibody (Cat # PAB12277).

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — TNFRSF1A

Entrez GeneID	7132
Gene Name	TNFRSF1A
Gene Alias	CD120a, FPF, MGC19588, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60
Gene Description	tumor necrosis factor receptor superfamily, member 1A
Omim ID	142680 191190
Gene Ontology	Hyperlink
Gene Summary	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-kappa B, 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. [provided by RefSeq]

Other Designations

tumor necrosis factor binding protein 1|tumor necrosis factor receptor 1|tumor necrosis factor receptor type 1|tumor necrosis factor-alpha receptor

Publication Reference

- [Tumor necrosis factor alpha-receptor type 1 activation in the hypothalamic paraventricular nucleus contributes to glutamate signaling and angiotensin II-dependent hypertension.](#)

Clara Woods, Jose Marques-Lopes, Natalina H Contoreggi, Teresa A Milner, Virginia M Pickel, Gang Wang, Michael J Glass.
Journal of Neuroscience 2021 Feb; 41(6):1349.

Application: IEM, IHC, Mouse, Mouse brain

- [Ultrastructural characterization of tumor necrosis factor alpha receptor type 1 distribution in the hypothalamic paraventricular nucleus of the mouse.](#)

Glass MJ, Chan J, Pickel VM.
Amino Acids 2017 Apr; 352:262.

Application: ICC, Mouse, Mouse brain

- [Induction of TNF receptor I-mediated apoptosis via two sequential signaling complexes.](#)

Micheau O, Tschopp J.
Cell 2003 Jul; 114(2):181.

Application: Func, Human, HT-1080 cells

- [MADD, a novel death domain protein that interacts with the type 1 tumor necrosis factor receptor and activates mitogen-activated protein kinase.](#)

Schievella AR, Chen JH, Graham JR, Lin LL.
The Journal of Biological Chemistry 1997 May; 272(18):12069.

Application: IP, Monkey, COS cells

- [Structure of the human TNF receptor 1 \(p60\) gene \(TNFR1\) and localization to chromosome 12p13 \[corrected\].](#)

Fuchs P, Strehl S, Dworzak M, Himmler A, Ambros PF.
Genomics 1992 May; 13(1):219.

Pathway

- [Adipocytokine signaling pathway](#)
- [Amyotrophic lateral sclerosis \(ALS\)](#)

- [Apoptosis](#)
- [Cytokine-cytokine receptor interaction](#)
- [MAPK signaling pathway](#)

Disease

- [Abortion](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Aggressive Periodontitis](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Amyloidosis](#)
- [Anemia](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Aspergillosis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Brain Infarction](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Calcinosis](#)

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Colitis](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diarrhea](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Familial Mediterranean fever](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)

- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Graft vs Host Disease](#)
- [Heart Defects](#)
- [Hematologic Diseases](#)
- [Hepatitis](#)
- [Hepatitis C](#)
- [HIV Seropositivity](#)
- [HTLV-I Infections](#)
- [Hypercholesterolemia](#)
- [Hypergammaglobulinemia](#)
- [Ileitis](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Irritable Bowel Syndrome](#)
- [Leukemia-Lymphoma](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Measles](#)
- [Metabolic Syndrome X](#)

- [Mouth Neoplasms](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Mumps](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Pain](#)
- [Paraparesis](#)
- [Paratyphoid Fever](#)
- [Parkinson disease](#)
- [Pericarditis](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Psychiatric Status Rating Scales](#)
- [Pulmonary Disease](#)

- [Pulmonary Emphysema](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rheumatic Diseases](#)
- [Rubella](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Shock](#)
- [Skin Diseases](#)
- [Spondylitis](#)
- [Stomach Neoplasms](#)
- [Stomatitis](#)
- [Syndrome](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Typhoid Fever](#)
- [Urinary Bladder Neoplasms](#)
- [Uveitis](#)
- [Venous Thrombosis](#)
- [Viremia](#)
- [Weight Gain](#)
- [Werner syndrome](#)