

## Rabbit anti-Human, Mouse TNF Polyclonal Antibody | anti-TNF antibody

TNF Polyclonal Antibody

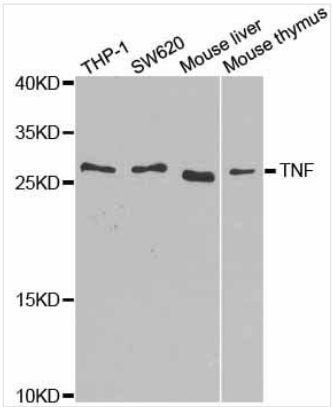
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                       |
|-----------|--------|--------------|------------------------------------|
| AAA36709  | Rabbit | Human, Mouse | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

TNF; Polyclonal Antibody; TNF Polyclonal Antibody; TNFSF2; DIF; Tumor necrosis factor; TNF  $\alpha$ ; TNF alpha; anti-TNF antibody

### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                |
| Reactivity                                    | Human, Mouse                                                                                                                                          |
| Clonality                                     | Polyclonal                                                                                                                                            |
| Isotype                                       | IgG                                                                                                                                                   |
| Purity/Purification                           | Affinity Purification                                                                                                                                 |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                               | 233                                                                                                                                                   |
| Applicable Applications for anti-TNF antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                         |
| Species                                       | Human                                                                                                                                                 |
| Immunogen                                     | Recombinant Protein                                                                                                                                   |
| Immunogen                                     | Recombinant protein of human TNF                                                                                                                      |
| Calculated Molecular Weight                   | 26kDa                                                                                                                                                 |
| Preparation and Storage                       | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using TNF antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TNF antibody | TNF-alpha, the prototypical member of the TNF protein superfamily, is a homotrimeric type-II membrane protein (1,2). Membrane-bound TNF-alpha is cleaved by the metalloprotease TACE/ADAM17 to generate a soluble homotrimer (2). Both membrane and soluble forms of TNF-alpha are biologically active. TNF-alpha is produced by a variety of immune cells including T cells, B cells, NK cells, and macrophages (1). Cellular response to TNF-alpha is mediated through interaction with receptors TNF-R1 and TNF-R2 and results in activation of pathways that favor both cell survival and apoptosis depending on the cell type and biological context. Activation of kinase pathways (including JNK, Erk (p44/42), p38 MAPK, and NF-kappaB) promotes the survival of cells, while TNF-alpha-mediated activation of caspase-8 leads to programmed cell death (1,2). TNF-alpha plays a key regulatory role in inflammation and host defense against bacterial infection, notably Mycobacterium tuberculosis (3). The role of TNF-alpha in autoimmunity is underscored by blocking TNF-alpha action to treat rheumatoid arthritis and Crohn's disease (1,2,4). |
| Product Categories/Family for anti-TNF antibody   | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 135934                                                                                                                                                                                |
| NCBI GeneID                      | 7124                                                                                                                                                                                  |
| UniProt Accession #              | P01375; O43647; Q9P1Q2; Q9UIV3                                                                                                                                                        |
| Molecular Weight                 | 233                                                                                                                                                                                   |
| NCBI Official Full Name          | Tumor necrosis factor                                                                                                                                                                 |
| NCBI Official Synonym Full Names | tumor necrosis factor                                                                                                                                                                 |
| NCBI Official Symbol             | TNF                                                                                                                                                                                   |
| NCBI Official Synonym Symbols    | DIF; TNFA; TNFSF2; TNF-alpha                                                                                                                                                          |
| NCBI Protein Information         | tumor necrosis factor; TNF-a; cachectin; APC1 protein; TNF, monocyte-derived; TNF, macrophage-derived; tumor necrosis factor-alpha; tumor necrosis factor ligand superfamily member 2 |
| UniProt Protein Name             | Tumor necrosis factor                                                                                                                                                                 |
| UniProt Gene Name                | TNF                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | TNFA; TNFSF2; TNF-a; NTF; ICD1; ICD2                                                                                                                                                  |
| UniProt Entry Name               | TNFA_HUMAN                                                                                                                                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://www.aaabiotech.com/polyclonal/tnf-antibody-immunohistochemistry-western-blot-elisa/36709>