



TNF-R2 Rabbit mAb

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|------------------------------------|---|
| Catalog No | YP-rAb-17004 |
| Isotype | IgG |
| Reactivity | Human,Mouse,Rat |
| Applications | WB,IHC,IF,IP,ELISA |
| Gene Name | TNFRSF1B |
| Protein Name | Tumor necrosis factor receptor superfamily member 1B |
| Purification Process | Protein A |
| Specificity | Endogenous |
| Formulation | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA |
| Source | Monoclonal, Rabbit,IgG |
| Dilution | IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 |
| Concentration | 0.5 mg/ml |
| Purity | ≥90% |
| Storage Stability | -15° C to -25° C/1 year(Do not lower than -25° C) |
| Synonyms | TNFRSF1B ; TNFBR ; TNFR2 ; Tumor necrosis factor receptor superfamily member 1B ; Tumor necrosis factor receptor 2 ; TNF-R2 ; Tumor necrosis factor receptor type II ; TNF-RII ; TNFR-II ; p75 ; p80 TNF-alpha receptor ; CD antigen CD120b ; Etanercept |
| Observed Band | 60kD |
| Calculated Molecular Weight | 48kD |
| Cell Pathway | [Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Secreted.; [Tumor necrosis factor-binding protein 2]: Secreted. |
| Tissue Specificity | Muscle,PNS,Urine, |
| Function | Receptor with high affinity for TNFSF2/TNF-alpha and approximately 5-fold lower affinity for homotrimeric TNFSF1/lymphotoxin-alpha. The TRAF1/TRAF2 complex recruits the apoptotic suppressors BIRC2 and BIRC3 to TNFRSF1B/TNFR2. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.,online information:Clinical information on Enbrel,pharmaceutical:Available under the name Enbrel (Immunex and Wyeth-Ayerst). Used to treat moderate to severe rheumatoid arthritis (RA). Enbrel consist of the extracellular ligand-binding portion of TNFRSF1B linked to |





an immunoglobulin Fc chain. It binds to TNF-alpha and blocks its interactions with receptors.,PTM:A soluble form (tumor necrosis factor binding protein 2) is produced from the membrane form by proteolytic processing.,PTM:Phosphorylated; mainly on serine residues and with a very low level on threonine residues.,similarity:Contains 4 TNFR-Cys repeats.,subunit:Binds to TRAF2.,

Background

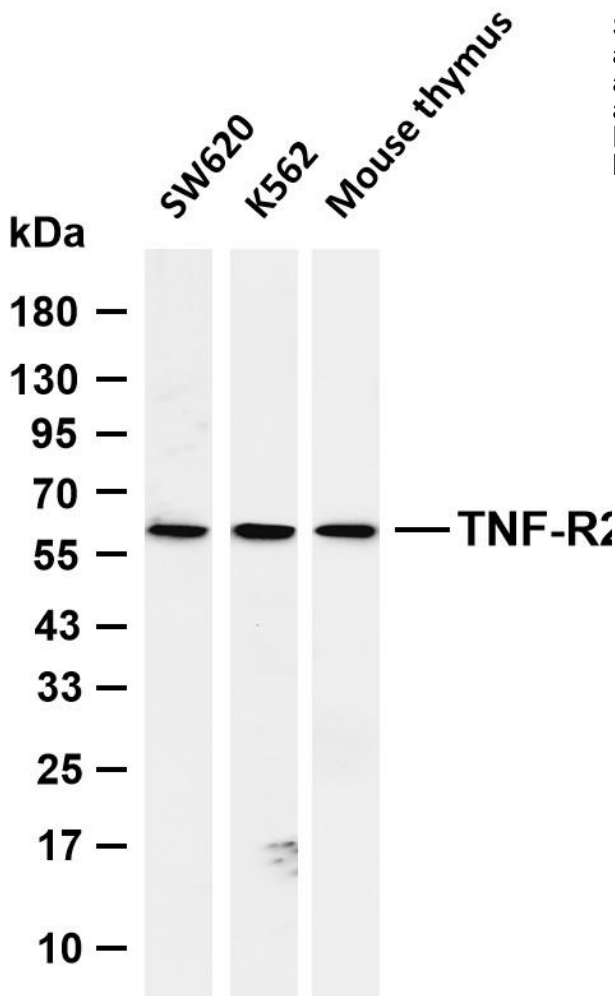
The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

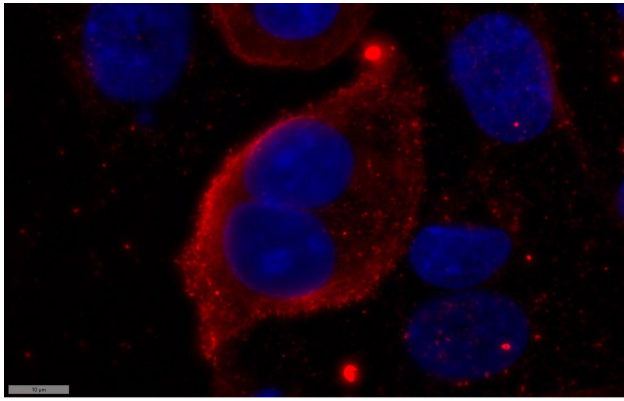
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-TNF-R2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: SW620 Lane 2: K562 Lane 3: Mouse thymus Predicted band size: 48kDa Observed band size: 60kDa





Immunofluorescence analysis of SiHa cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No:

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