

Anti-sTNFsR II Antibody

Catalog # ABO12202

Product Information

Application	WB, IHC-F, FC, ICC
Primary Accession	P20333
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) detection. Tested with WB, IHC-F, ICC, FCM in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	7133
Other Names	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, CD120b, Etanercept, Tumor necrosis factor receptor superfamily member 1b, membrane form, Tumor necrosis factor-binding protein 2, TBP-2, TBPII, TNFRSF1B, TNFBR, TNFR2
Calculated MW	48291
Application Details	Immunohistochemistry(Frozen Section), 0.5-1 μ g/ml Immunocytochemistry, 0.5-1 μ g/ml Western blot, 0.1-0.5 μ g/ml Flow Cytometry, 1-3 μ g/1x10 ⁶ cells
Subcellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Tumor necrosis factor receptor superfamily member 1B
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TNF Receptor II (288-318aa KKKPLCLQREAKVPHLPADKARGTQGPEQQH), different from the related mouse sequence by eleven amino acids, and from the related rat sequence by ten amino acids.

Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Contains 4 TNFR-Cys repeats.

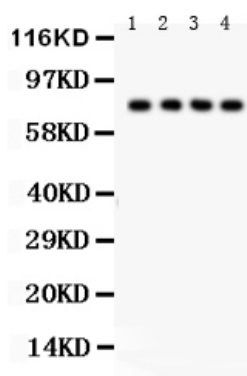
Protein Information

Name	TNFRSF1B
Synonyms	TNFR2, TNFR
Function	Receptor with high affinity for TNFSF2/TNF 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. Isoform 2 blocks TNF-induced apoptosis, which suggests that it regulates TNF function by antagonizing its biological activity.
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Tumor necrosis factor-binding protein 2]: Secreted

Background

Tumor necrosis factor receptor 2 (TNFR2) is one of receptors of TNF. TNF has proinflammatory and immunosuppressive properties that may segregate at the level of the 2 TNF receptors (TNFRs), TNFR1 and TNFR2. The genes for TNFR1, a 55-kDa protein, and TNFR2, a 70-kDa protein, have been mapped to human chromosomes 12 (12pter-cen) and 1 (1pter-p32), respectively. TNFR2 was induced on glomerular endothelial cells of nephritic kidneys, and TNFR2 expression on intrinsic cells, but not leukocytes, was essential for glomerulonephritis and glomerular complement deposition. TNFR1 promotes systemic immune responses and renal T cell death, while intrinsic cell TNFR2 plays a critical role in complement-dependent tissue injury. Therefore, therapeutic blockade specifically of TNFR2 may be a promising strategy in the treatment of immune-mediated glomerulonephritis.

Images



Anti- TNF Receptor II Picoband antibody, ABO12202,
Western blottingAll lanes: Anti TNF Receptor II
(ABO12202) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate
at 50ugLane 2: Rat Liver Tissue Lysate at 50ugLane 3:
HELA Whole Cell Lysate at 40ugLane 4: A549 Whole Cell
Lysate at 40ugPredicted bind size: 75KDObserved bind
size: 75KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.