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Anti-sTNFsR II Antibody
Catalog # ABO12203

Specification

Anti-sTNFsR II Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P25119
Host	**Rabbit**
Reactivity	**Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 1B (TNFRSF1B) detection. Tested with WB, IHC-P in Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-sTNFsR II Antibody - Additional Information

Gene ID 21938

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, Tnfrsf1b, Tnfr-2, Tnfr2

Calculated MW
50320 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Mouse, Rat

Subcellular Localization
Membrane; Single-pass type I membrane protein.

Protein Name
Tumor necrosis factor receptor superfamily member 1B

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of mouse TNF Receptor II (296-324aa QRDAKVPHVPDEKSQDAVGLEQQHLLTTA), different from the related human sequence by eleven amino acids, and from the related rat sequence by six amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, 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.

Anti-sTNFsR II Antibody - Protein Information

Name Tnfrsf1b

Synonyms Tnfr-2, Tnfr2

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 (By similarity).

Cellular Location
Membrane; Single-pass type I membrane protein.

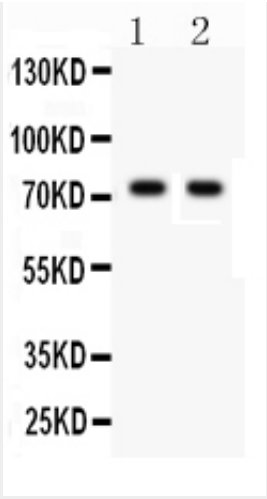
Anti-sTNFsR II Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

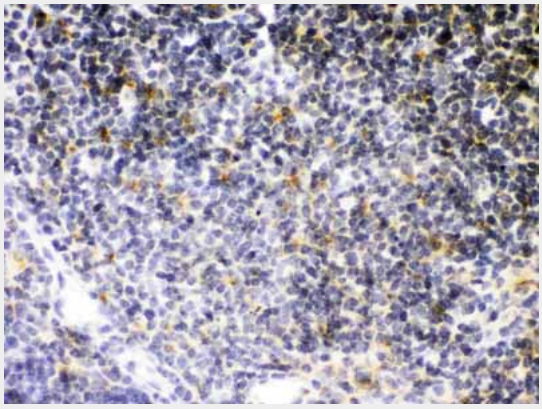
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-sTNFsR II Antibody - Images

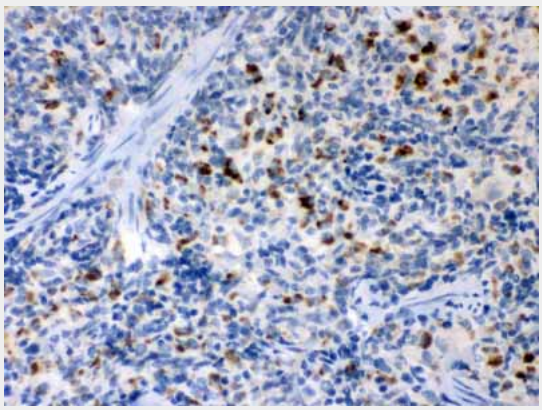
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Anti- TNF Receptor II Picoband antibody, ABO12203, Western blottingAll lanes: Anti TNF Receptor II (ABO12203) at 0.5ug/mlLane 1: Rat Thymus Tissue Lysate at 50ugLane 2: Mouse Thymus Tissue Lysate at 50ugPredicted bind size: 75KDObserved bind size: 75KD



Anti- TNF Receptor II Picoband antibody, ABO12203, IHC(P)IHC(P): Mouse Thymus Tissue



Anti- TNF Receptor II Picoband antibody, ABO12203, IHC(P)IHC(P): Rat Spleen Tissue

Anti-sTNFsR II Antibody - 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.