

Datasheet for ABIN3044354  
**anti-TNFRSF1B antibody (Middle Region)**[Go to Product page](#)

2 Images

2 Publications

## Overview

Quantity:	100 µg
Target:	TNFRSF1B
Binding Specificity:	AA 103-121, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 1B(TNFRSF1B) detection. Tested with WB, IHC-P in Human.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human TNF Receptor II(103-121aa DQVETQACTREQNRICTCR).
Sequence:	DQVETQACTR EQNRICTCR
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 1B(TNFRSF1B) detection. Tested with WB, IHC-P in Human.</p> <p>Gene Name: tumor necrosis factor receptor superfamily, member 1B</p> <p>Protein Name: Tumor necrosis factor receptor superfamily member 1B</p>
Purification:	Immunogen affinity purified.

## Target Details

Target:	TNFRSF1B
Alternative Name:	TNFRSF1B ( <a href="#">TNFRSF1B Products</a> )
Background:	<p>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.</p> <p>Synonyms: CD 120b antibody CD120b antibody CD120b antigen antibody Etanercept antibody p75 antibody p75TNFR antibody p80 TNF alpha receptor antibody p80 TNF-alpha receptor antibody TBP-2 antibody TBP2 antibody TBPII antibody TNF R II antibody TNF R2 antibody TNF R75 antibody TNF-R2 antibody TNF-RII antibody TNFBR antibody TNFR 2 antibody TNFR-II antibody TNFR2 antibody TNFR75 antibody TNFR80 antibody TNFRII antibody TNFRSF 1B antibody TNFRSF1B antibody TNR1B antibody TNR1B_HUMAN antibody Tumor necrosis factor beta receptor antibody Tumor necrosis factor binding protein 2 antibody Tumor necrosis factor receptor 2 antibody Tumor necrosis factor receptor superfamily member 1B precursor antibody Tumor necrosis factor receptor type II antibody Tumor necrosis factor-binding protein 2 antibody</p>
UniProt:	<a href="#">P20333</a>
Pathways:	<a href="#">NF-kappaB Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Hepatitis C</a> , <a href="#">Ubiquitin Proteasome Pathway</a>

## Application Details

Application Notes:	<p>WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human</p> <p>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.</p> <p>Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.</p>
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## Application Details

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

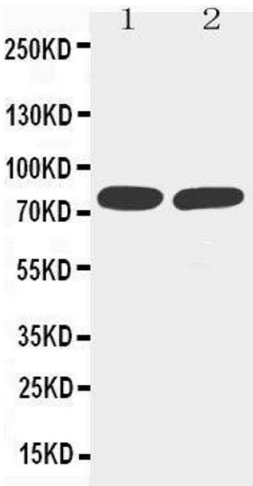
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: 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.

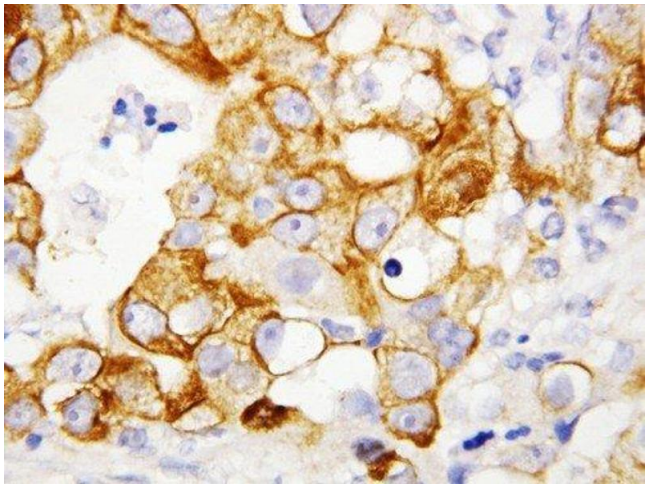
## Publications

Product cited in: Whiteland, Nicholls, Shimeld, Easty, Williams, Hill: "Immunohistochemical detection of T-cell subsets and other leukocytes in paraffin-embedded rat and mouse tissues with monoclonal antibodies." in: **The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society**, Vol. 43, Issue 3, pp. 313-20, (1995) ([PubMed](#)).



**Western Blotting**

**Image 1.** Anti-TNF Receptor II antibody, Western blotting  
Lane 1: MM453 Cell Lysate Lane 2: JURKAT Cell Lysate



**Immunohistochemistry**

**Image 2.** Anti-TNF Receptor II antibody, IHC(P) IHC(P):  
Human Mammary Cancer Tissue