Product **Datasheet**

Anti-RANKL/TNFSF11 Rabbit pAb

WL00285

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-RANKL/TNFSF11 Rabbit pAb
Source	Rabbit
Species reactivity	Human,Mouse, Rat
Tested applications	Western blot 1:1000-1:2000 Immunohistochemistry 1:150-1:300 Immunofluorescence 1:150
	**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*
Molecular Wt.	35 kDa
Pack size	50/100/200/500/1000µl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

TNFSF11 also known as is a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. It is shown to be a dentritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of TNFSF11 and lead to an increase of osteoclastogenesis and bone loss. It can also activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated RANKL may have a role in the regulation of cell apoptosis.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of RANKL/TNFSF11.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

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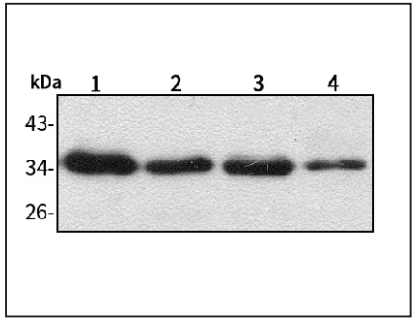
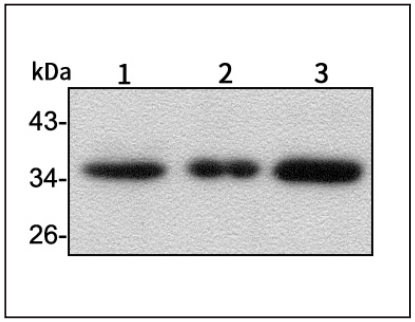
Product Images



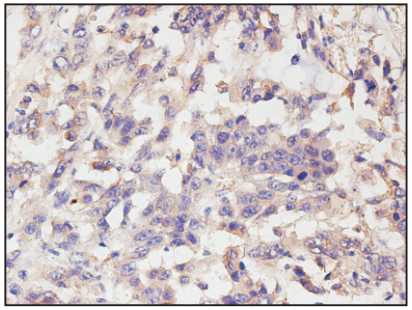
Western blot-Anti-RANKL/TNFSF11 pAb

Lane 1: Human BGC-823 cell lysate 24µg
Lane 2: Human MGC-803 cell lysate 24µg
Lane 3: Human SGC-7901 cell lysate 24µg
Lane 4: Human MCF-7 cell lysate 24µg
Separation gel: 11% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Western blot-Anti-RANKL/TNFSF11 pAb

Lane 1: Mouse kidney tissue lysate 24µg
Lane 2: Mouse liver tissue lysate 24µg
Lane 3: Rat brain tissue lysate 24µg
Separation gel: 11% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Immunohistochemistry-Anti-RANKL/TNFSF11 pAb

Sample: Human pancreatic cancer tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:300, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB

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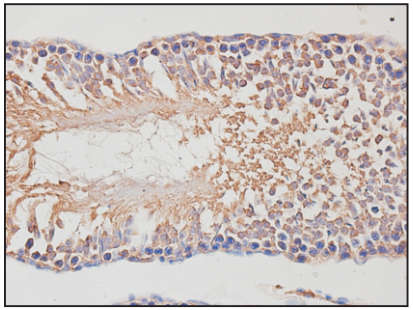
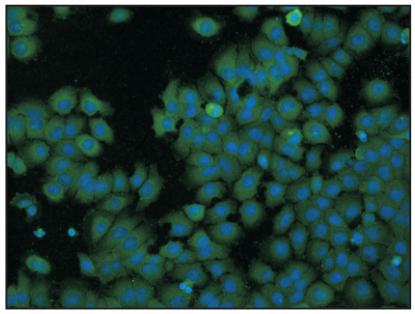


Immunohistochemistry-Anti-RANKL/TNFSF11 pAb

Sample: Rat testicle tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:150, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB



Immunofluorescence-Anti-RANKL/TNFSF11 pAb

Sample: Human HepG2 cells
Primary antibody: 1:150, 4°C, overnight
Secondary antibody-FITC: 1:150, 37°C, 1h