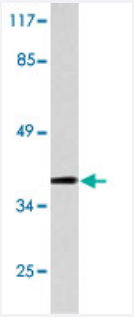
TNFSF11 polyclonal antibody

Catalog # PAB27144 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HUVEC cell lysate with TNFSF11 polyclonal antibody (Cat # PAB27144).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TNFSF11.
Immunogen	A synthetic peptide corresponding to human TNFSF11.
Host	Rabbit
Theoretical MW (kDa)	40
Reactivity	Human, Mouse
Specificity	TNFSF11 polyclonal antibody detects endogenous levels of TNFSF11 protein.
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)

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Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Western Blot (Cell lysate)

  Western blot analysis of HUVEC cell lysate with TNFSF11 polyclonal antibody (Cat # PAB27144).

Gene Info — TNFSF11

Entrez GeneID	8600
Protein Accession#	O14788
Gene Name	TNFSF11
Gene Alias	CD254, ODF, OPGL, OPTB2, RANKL, TRANCE, hRANKL2, sOdf
Gene Description	tumor necrosis factor (ligand) superfamily, member 11
Omim ID	259710 602642
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. This protein was shown to be a dentritic cell survival factor and is involved in the regulation of T cell-de pendent immune response. T cell activation was reported to induce expression of this gene and le ad to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiap optotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis fa ctor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regul ation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosi s and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two altern atively spliced transcript variants have been found. [provided by RefSeq
Other Designations	OTTHUMP00000178585|TNF-related activation-induced cytokine|osteoclast differentiation factor| osteoprotegerin ligand|receptor activator of nuclear factor kappa B ligand|tumor necrosis factor li gand superfamily, member 11

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Pathway

- Cytokine-cytokine receptor interaction

Disease

- Acute Disease
- Alveolar Bone Loss
- Alzheimer disease
- Arthritis
- Bone Diseases
- Bone Resorption
- Calcinosis
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Edema
- Fractures
- Genetic Predisposition to Disease
- Lupus Erythematosus
- Metabolic Syndrome X
- Neoplasms
- Obesity
- Osteoporosis
- Periodontitis
- Prosthesis Failure
- Scoliosis

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- Spinal Fractures
- Tobacco Use Disorder

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