

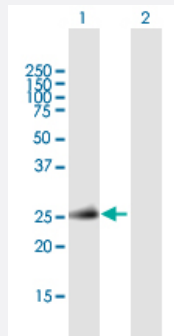
MaxPab®

TNFSF11 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008600-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of TNFSF11 expression in transfected 293T cell line ([H00008600-T01](#)) by TNFSF11 MaxPab polyclonal antibody.

Lane 1: TNFSF11 transfected lysate(26.84 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human TNFSF11 protein.
Immunogen	TNFSF11 (ENSP00000351347, 1 a.a. ~ 244 a.a) full-length human protein.
Sequence	MDPNRISEDGTHCIYRILRLHENADFQDTTLESQDTKLIPDSCRRKQAFQGAVQKELQHIVGSQHIR AEKAMVDGSWLDLAKRSKLEAQPF AHLTINATDIPSGSHKVSLSWYHDRGWAKISNMTFSNGK LVNQDGFYYLYANICFRHETSGDLATEYLQLMVYVTKTSIKIPSSHTLMKGGSTKYWSGNSEFHFY SINVGGFFKLRSGEEISIEVSNPSLLDPDQDATYFGAFKVRDID
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of TNFSF11 expression in transfected 293T cell line ([H00008600-T01](#)) by TNFSF11 MaxPab polyclonal antibody.

Lane 1: TNFSF11 transfected lysate(26.84 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — TNFSF11

Entrez GeneID [8600](#)

GeneBank Accession# [ENST00000358545](#)

Protein Accession# [ENSP00000351347](#)

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 dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis 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 alternatively 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 ligand superfamily, member 11

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](#)
- [Spinal Fractures](#)
- [Tobacco Use Disorder](#)