

## TNFSF11 Rabbit Polyclonal Antibody

Catalog No: #54357

Package Size: #54357-1 50ul #54357-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

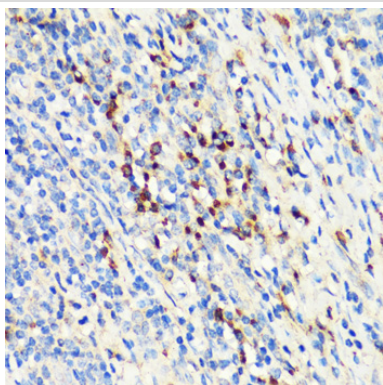
## Description

Product Name	TNFSF11 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse
Immunogen Description	Recombinant protein of human TNFSF11.
Other Names	TNFSF11;CD254;ODF;OPGL;OPTB2;RANKL;TNLG6B;TRANCE;hRANKL2;sOdf
Accession No.	Swiss Prot:O14788GeneID:8600
Calculated MW	27kDa/30kDa/35kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

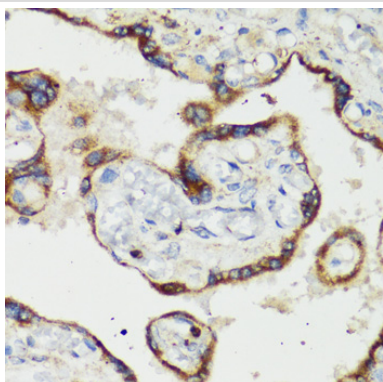
## Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

## Images



Immunohistochemistry of paraffin-embedded human tonsil using TNFSF11 at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human placenta using TNFSF11 at dilution of 1:200 (40x lens).

## Background

---

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.

---

Note: This product is for in vitro research use only and is not intended for use in humans or animals.