

TNFSF11 antibody

Product Information

Catalog No.:	FNab07108
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	tumor necrosis factor (ligand) superfamily, member 11
Synonyms:	Tumor necrosis factor ligand superfamily member 11 Osteoclast differentiation factor (ODF) Osteoprotegerin ligand (OPGL) Receptor activator of nuclear factor kappa-B ligand (RANKL) TNF-related activation-induced cytokine (TRANCE) Tumor necrosis factor ligand superfamily member 11, membrane form Tumor necrosis factor ligand superfamily member 11, soluble form TNFSF11 OPGL RANKL TRANCE

Observed MW: 32 kDa
Uniprot ID : O14788

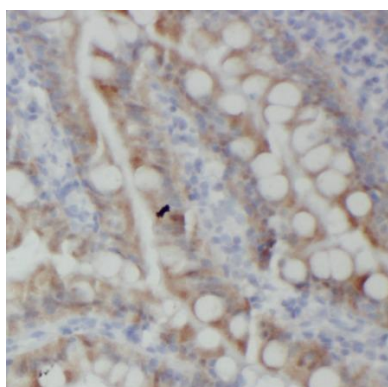
Application

Reactivity: Human, Mouse, Rat

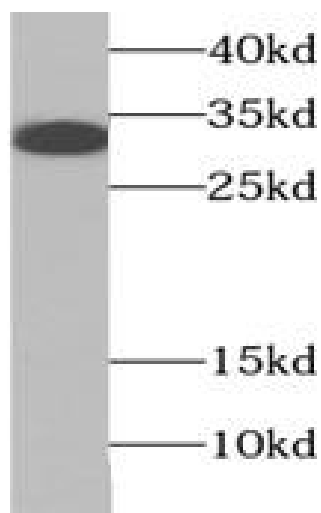
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human colon tissue slide using FNab07108(RANKL Antibody) at dilution of 1:100



COLO 320 cells were subjected to SDS PAGE followed by western blot with FNab07108(RANKL Antibody) at dilution of 1:1000