

RANKL Polyclonal Antibody

Catalog No.	IPB0295
Reactivity	Human; Mouse; Rat
Applications	WB; IHC-p; IF/ICC; ELISA
Dilution	WB: 1:500-1:2000 IHC-p: 1:100-1:200 ELISA: 1:20000 IF: 1:50-1:200
Gene Name	TNFSF11
Protein Name	Tumor necrosis factor ligand superfamily member 11
Human Gene Id	8600
Swiss-Prot	O14788
Formulation	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
Source	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Concentration	1 mg/ml
Storage&Stability	-20°C/1 year
Subcellular Location	[Isoform 1]: Cell membrane; Single-pass type II membrane protein [Isoform 3]: Cell membrane; Single-pass type II membrane protein [Isoform 2]: Cytoplasm [Tumor necrosis factor ligand superfamily member 11, soluble form]: Secreted
MW	35478
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

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