

sRANK Ligand Antibody

Catalog No: #24464

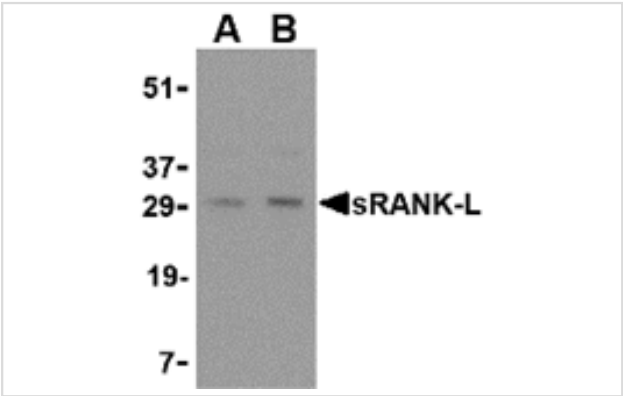


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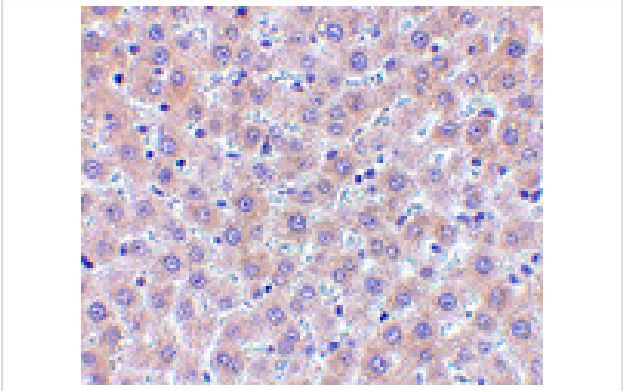
Description

Product Name	sRANK Ligand Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the center of human sRANK-L.
Target Name	sRANK Ligand
Other Names	sRANK-L, TNFSF11, TRANCE, OPGL
Accession No.	Swiss-Prot:O14788Gene ID:8600
Uniprot	O14788
GeneID	8600;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of sRANK-L in rat liver tissue lysate with sRANK-L antibody at (A) 0.25 and (B) 0.5 ug/mL.



Immunohistochemistry of sRANK-L in human liver tissue with sRANK-L antibody at 5 ug/mL.

## Background

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The receptor activator of NF- $\kappa$ B ligand (RANK-L) is a recently discovered member of the TNF-ligand family involved in the regulation of the T cell-dependent immune response, lymph node organogenesis and bone formation. RANK-L exists as both a normal, transmembrane form and a truncated, soluble form (sRANK-L), both of which can stimulate the receptor. Activation of T cells, such as by treatment with interleukin-7, induces RANK-L production and leads to an increase of osteoclast formation and bone loss. Finally, sRANK-L can activate the antiapoptotic kinase Akt through a signaling complex involving Src kinase and TRAF6, suggesting sRANK-L may also play a role in regulating apoptosis. This antibody will recognize both the soluble form and the uncleaved transmembrane form of RANK-L.

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**Note:** This product is for in vitro research use only