

## TNFSF11 RABBIT PAB

**Cat.#:** S221769

**Product Name:** Anti-TNFSF11 Rabbit Polyclonal Antibody

**Synonyms:** ODF; OPG; sOdf; CD254; OPTB2; RANKL; TNLG6B; TRANCE; hRANKL2

**UNIPROT ID:** O14788 (Gene Accession - NP\_003692)

**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:** Synthetic peptide of human TNFSF11

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 30-150;WB: 200-1000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

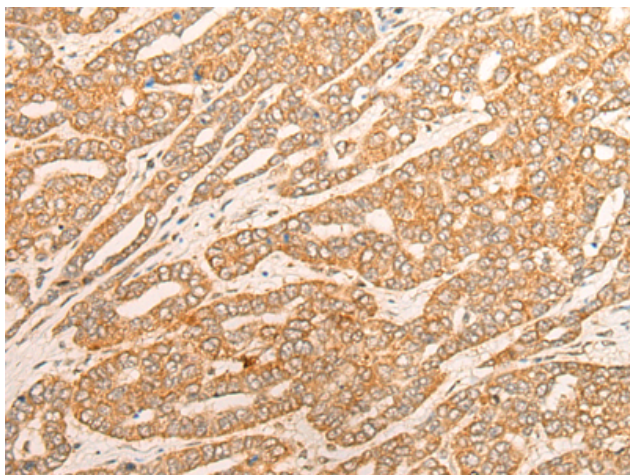
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

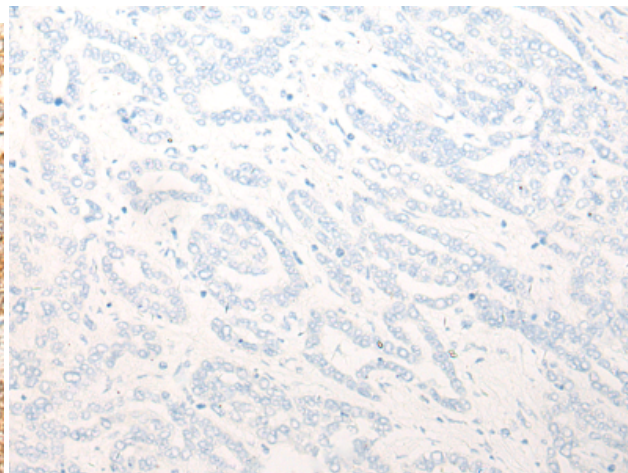
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cardiovascular, Immunology

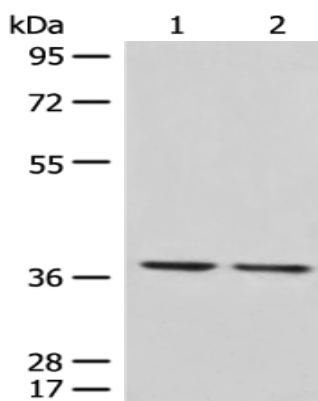
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 221769(TNFSF11 Antibody) at a dilution of 1/25(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 221769(Anti-TNFSF11 Antibody) at dilution 1/25.



Gel: 8%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-2: Mouse liver tissue and Mouse lung tissue lysates;  
 Primary antibody: 221769(TNFSF11 Antibody) at dilution 1/400;  
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
 Exposure time: 20 seconds