

Product datasheet for **TA322994**

Osteoprotegerin (TNFRSF11B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse kidney tissue IHC: 25-100 Positive control: Human colon cancer Predicted cell location: cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 195-365 amino acids of human tumor necrosis factor receptor superfamily, member 11b
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	46 kDa
Gene Name:	tumor necrosis factor receptor superfamily member 11b
Database Link:	NP_002537 Entrez Gene 18383 Mouse Entrez Gene 25341 Rat Entrez Gene 4982 Human O00300



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Background:

The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand; osteoprotegerin ligand; both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported; but their full length nature has not been determined.?

Synonyms:

OCIF; OPG; TR1

Protein Families:

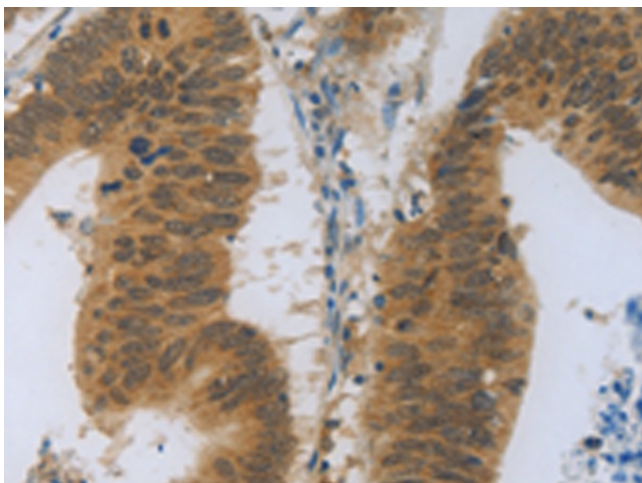
Druggable Genome, Secreted Protein

Protein Pathways:

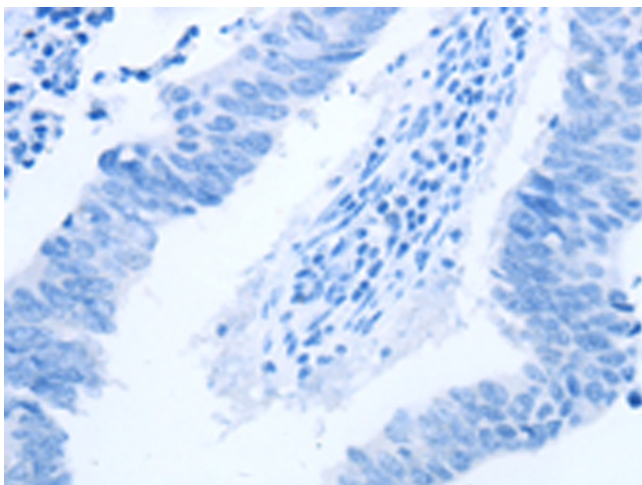
Cytokine-cytokine receptor interaction

Product images:

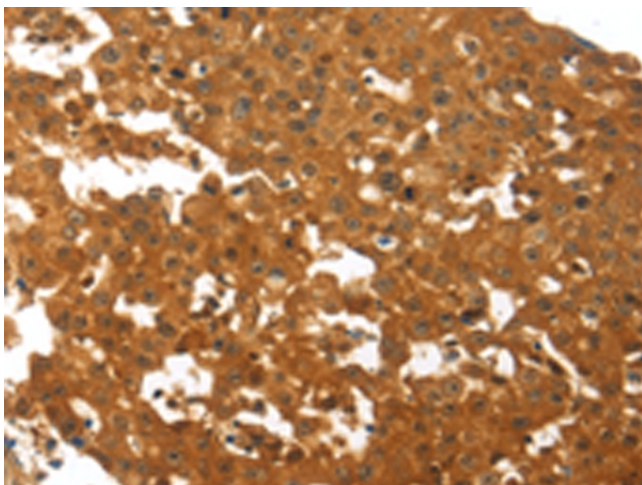
Gel: 10%SDS-PAGE
Lysate: 40 µg
Lane: Mouse kidney tissue
Primary antibody: TA322994 (TNFRSF11B Antibody) at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 2 minutes



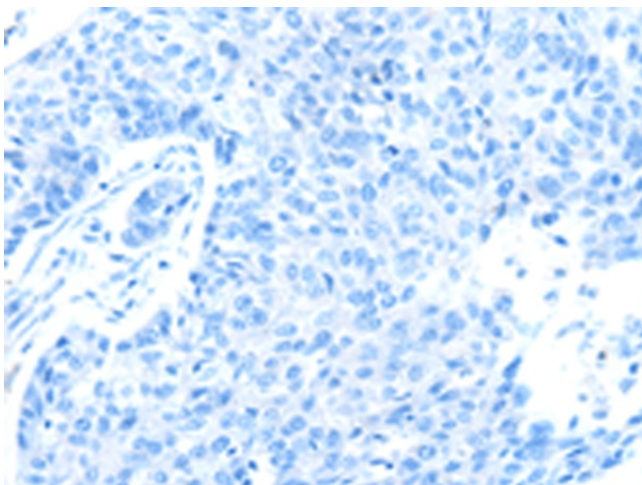
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322994 (TNFRSF11B Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322994 (TNFRSF11B Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322994 (TNFRSF11B Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using TA322994 (TNFRSF11B Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)