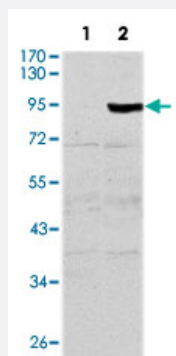


TNFRSF11B monoclonal antibody, clone 5A11

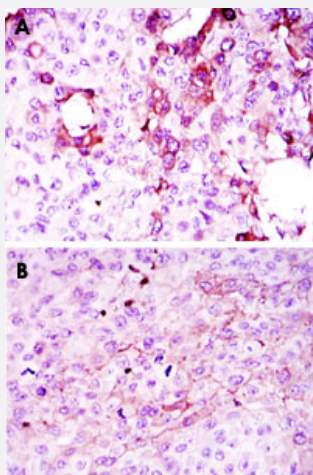
Catalog # MAB10336 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis using TNFRSF11B monoclonal antibody, clone 5A11 (Cat # MAB10336) against HEK293 (1) and TNFRSF11B-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human mammary cancer tissue (A) and lung cancer tissue (B) using TNFRSF11B monoclonal antibody, clone 5A11 (Cat # MAB10336) with DAB staining.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant TNFRSF11B.
Immunogen	Recombinant protein corresponding to human TNFRSF11B.
Host	Mouse
Theoretical MW (kDa)	60
Reactivity	Human

Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — TNFRSF11B

Entrez GeneID	4982
Gene Name	TNFRSF11B
Gene Alias	MGC29565, OCIF, OPG, TR1
Gene Description	tumor necrosis factor receptor superfamily, member 11b
Omim ID	239000 602643
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

osteoclastogenesis inhibitory factor|osteoprotegerin

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Acute Disease](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Body Weight](#)
- [Bone Diseases](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)

- [Diarrhea](#)
- [Disease Progression](#)
- [Edema](#)
- [Escherichia coli Infections](#)
- [Femoral Neck Fractures](#)
- [Fractures](#)
- [Gaucher disease](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hip Fractures](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Lupus Erythematosus](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteitis Deformans](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Osteoporotic Fractures](#)
- [Periodontitis](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Prosthesis Failure](#)
- [Scoliosis](#)
- [Spinal Fractures](#)
- [Stroke](#)
- [Thyroid Neoplasms](#)