

Product datasheet for **TA336377**

RANKL (TNFSF11) Mouse Monoclonal Antibody [Clone ID: 12A668]

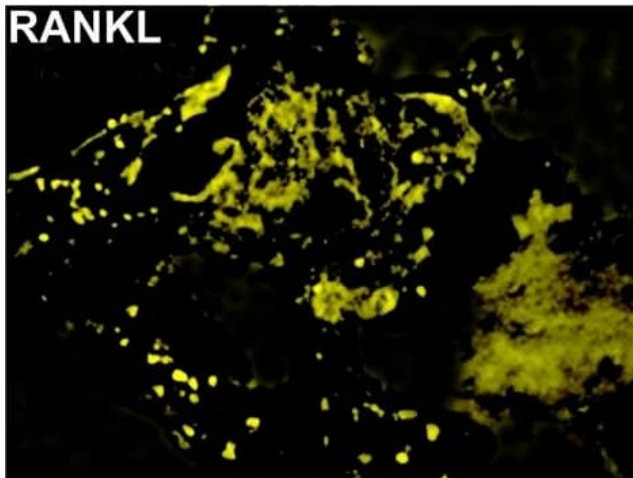
Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | 12A668 |
| Applications: | ChIP, ELISA, FC, IA, ICC/IF, IHC, WB |
| Recommended Dilution: | ELISA, Chromatin Immunoprecipitation (ChIP): 1:10-1:500, Flow (Cell Surface), Immunoassay, Immunohistochemistry: 1:10-1:500, Immunohistochemistry-Paraffin: 5 ug/ml, Immunocytochemistry/ Immunofluorescence: 20 ug/ml, Western Blot: 0.5-2 ug/ml |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1, kappa |
| Clonality: | Monoclonal |
| Immunogen: | A bacterially expressed fusion protein containing amino acid residues 1-317 of mouse TRANCE was used as immunogen (NP_003692). |
| Formulation: | PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Concentration: | lot specific |
| Purification: | Protein G purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 35 kDa |
| Gene Name: | tumor necrosis factor superfamily member 11 |
| Database Link: | NP_003692 Entrez Gene 21943 Mouse Entrez Gene 117516 Rat Entrez Gene 8600 Human O14788 |

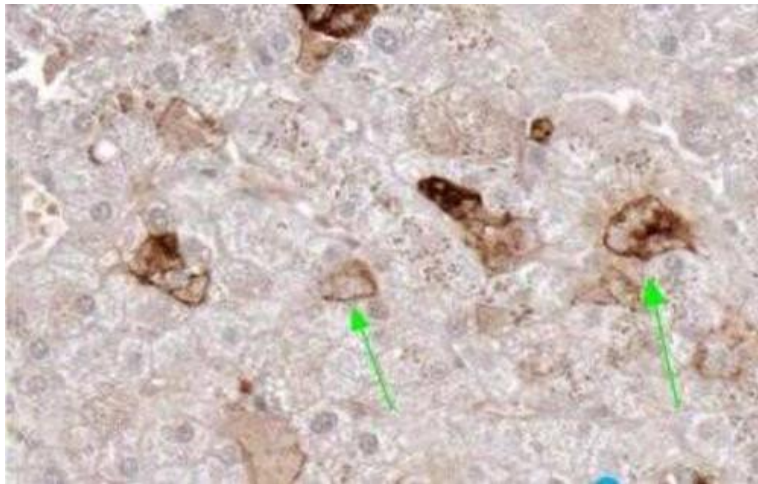


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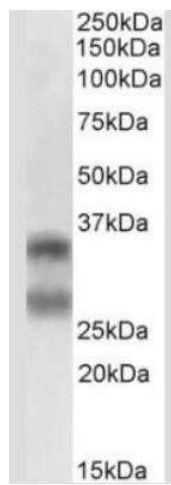
| | |
|--------------------------|--|
| Background: | TRANCE/OPGL/RANKL/ODF is a recently identified member of tumor necrosis factor family. TRANCE (TNF-related activation-induced cytokine receptor) or RANKL {receptor activator of NF- κ B (RANK) ligand} has been implicated in interactions between T cells and dendritic cells. RANK ligand (RANKL/TRANCE) binds to RANK on dendritic cells, upregulates the expression of anti-apoptotic protein Bcl-XL suggesting a role in dendritic cell survival. TRANCE/RANKL is also important in T and B-cell maturation. As OPGL/ODF (Osteoprotegerin Ligand/Osteoclast differentiation factor), the same protein can both activate mature osteoclasts and mediate osteoclastogenesis. OPGL/TRANCE deficient mice show severe osteoporosis and complete absence of osteoclasts as a result of lack of osteogenesis. |
| Synonyms: | CD254; hRANKL2; ODF; OPGL; OPTB2; RANKL; sOdf; TRANCE |
| Note: | Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min. |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Cytokine-cytokine receptor interaction |

Product images:

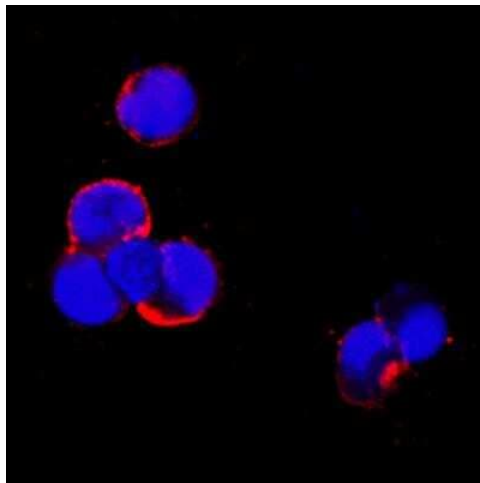
MQDL detects EMT biomarkers in clinical bone tissue specimens. A representative specimen of human prostate cancer bone metastasis co-expressed high levels of epithelial EpCAM, and mesenchymal RANKL and vimentin proteins. $\times 400$.



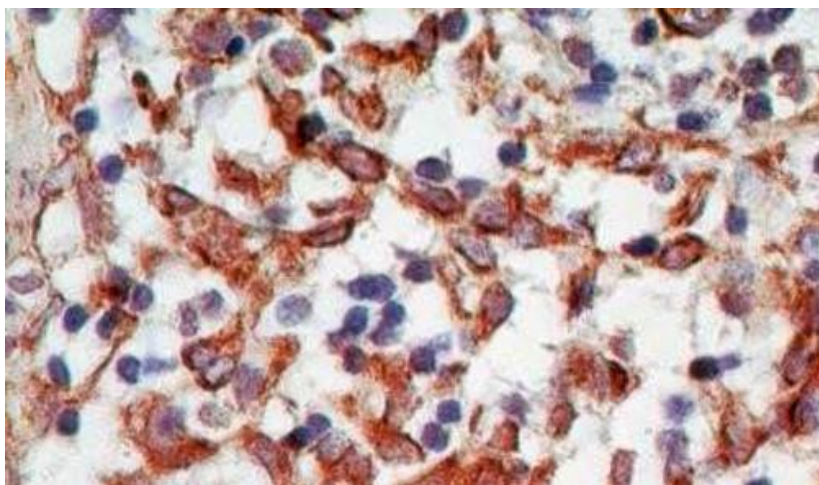
Immunohistochemistry-Paraffin:
 TRANCE/TNFSF11/RANK L Antibody (12A668)
 TA336377 - Analysis using Azide Free version of
 TA336377. FFPE human liver stained with
 TRANCE/TNFSF11/RANK L antibody, peroxidase-
 conjugate and DAB chromogen. A 2 hr incubation
 at RT was used.



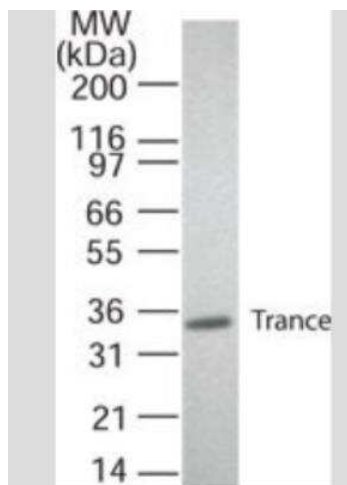
Western Blot: TRANCE/TNFSF11/RANK L Antibody
 (12A668) TA336377 - Analysis using Azide Free
 version of TA336377. Human lymph node lysate
 (35ug per lane, RIPA buffer). Band detected at
 ~35kDa and ~28kDa. (Expected MW of 35.5kDa
 according to NP_003692.1 and of 27.7kDa
 according to NP_143026.1)



Immunocytochemistry/Immunofluorescence:
 TRANCE/TNFSF11/RANK L Antibody (12A668)
 TA336377 - TRANCE was detected in immersion
 fixed mouse splenocytes using anti-
 human/mouse/rat mouse monoclonal antibody
 (Catalog # TA336377) for 1 hour at room
 temperature. Cells were stained using NL557
 (red) fluorescent anti-mouse secondary
 antibodies (Catalog # NL007) and counterstained
 with DAPI (blue).



Immunohistochemistry-Paraffin:
 TRANCE/TNFSF11/RANK L Antibody (12A668)
 TA336377 - Analysis using Azide Free version of
 TA336377. FFPE human lymph node probed with
 TRANCE/TNFSF11/RANK L antibody.



Western Blot: TRANCE/TNFSF11/RANK L Antibody
 (12A668) TA336377 - Analysis of transfected cell
 lysate was probed with TRANCE/TNFSF11/RANK L
 antibody.