

Product datasheet for **TA337036**

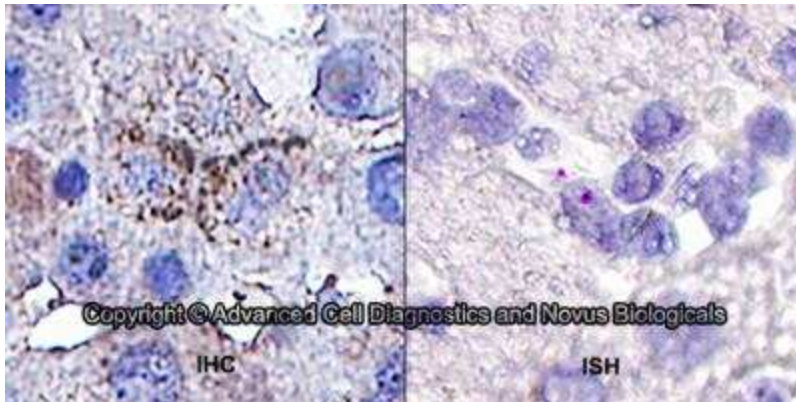
RANK (TNFRSF11A) Mouse Monoclonal Antibody [Clone ID: 64C1385.1]

Product data:

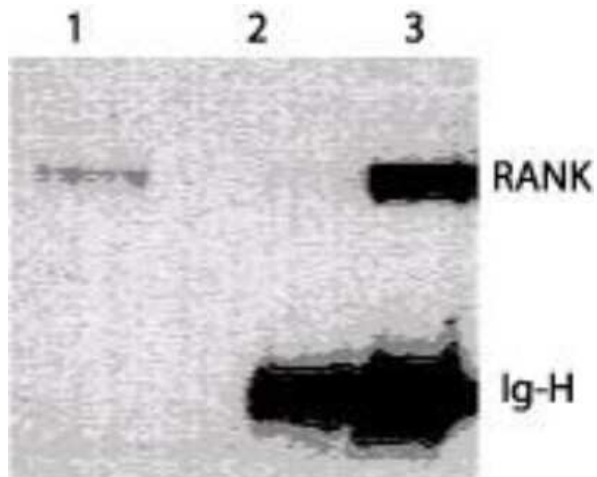
Product Type:	Primary Antibodies
Clone Name:	64C1385.1
Applications:	CyTOF-ready, FC, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry, Flow Cytometry: 5 ug/10 ⁶ cells, Western Blot: 1-2 ug/ml, Immunoprecipitation: 1-2 ug/ml, Dual RNAscope ISH-IHC, CyTOF-ready, Immunohistochemistry-Paraffin: 5 ug/ml
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1, lambda
Clonality:	Monoclonal
Immunogen:	A recombinant protein containing the extracellular domain (amino acids 33-208) of human RANK was used as immunogen.
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.
Gene Name:	tumor necrosis factor receptor superfamily member 11a
Database Link:	NP_003830 Entrez Gene 21934 Mouse Entrez Gene 8792 Human Q9Y6Q6
Synonyms:	CD265; FEO; LOH18CR1; ODFR; OFE; OPTB7; OST5; PDB2; RANK; TRANCER
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction



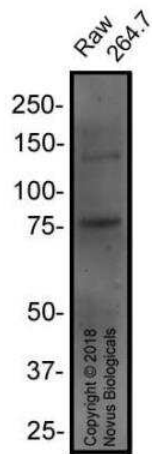
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Product images:

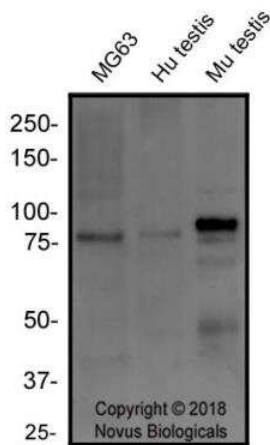
Dual RNAscope ISH-IHC: RANK/TNFRSF11A Antibody (64C1385.1) TA337036 - Formalin-fixed paraffin-embedded tissue sections of human liver were probed for RANK/TNFRSF11A mRNA (ACD RNAscope Probe, catalog # 412281; Fast Red chromogen, ACD catalog # 322360). Adjacent tissue section was processed for immunohistochemistry using mouse anti-human (Novus Biologicals catalog # TA337036) at 5 ug/mL with overnight incubation at 4 degrees Celsius followed by incubation with anti-mouse IgG VisUCyte HRP Polymer Antibody (Catalog # VC001) and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue). IHC signal is confined to plasma membrane.



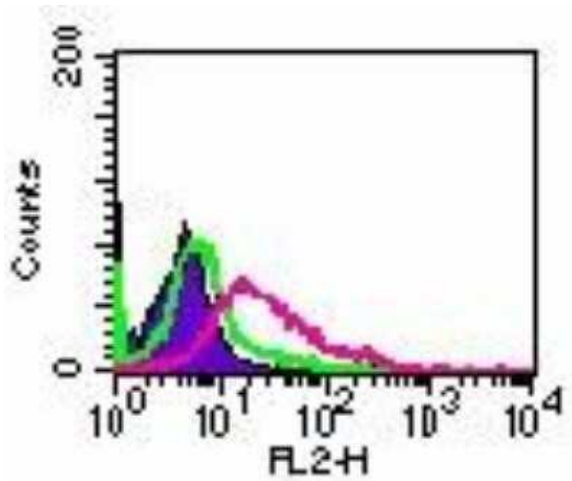
Western Blot: RANK/TNFRSF11A Antibody (64C1385.1) TA337036 - Detection of RANK in RAW cells. Lane 1. detection of RANK in RAW, a mouse cell line. Lane 2 & 3. IP/analysis of RANK. RANK protein from RAW cell lysate was immunoprecipitated either with control antibody (lane 2) or this antibody. RANK was detected by western blot using this antibody.



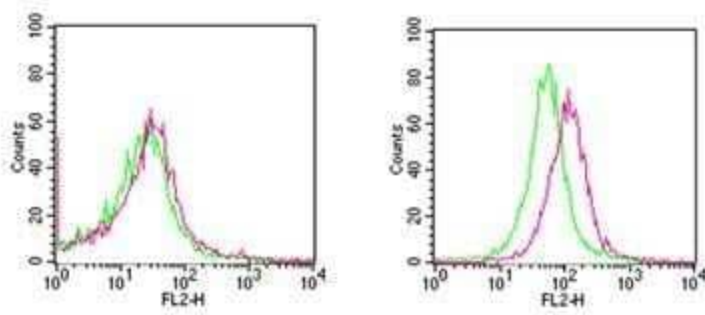
Western Blot: RANK/TNFRSF11A Antibody (64C1385.1) TA337036 - Total protein from Raw 264.7 was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-RANK1 in 1% block buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



Western Blot: RANK/TNFRSF11A Antibody (64C1385.1) TA337036 - Total protein from MG63, human testis and mouse testis was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-RANK1 in 1% block buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence.



Flow Cytometry: RANK/TNFRSF11A Antibody (64C1385.1) TA337036 - Analysis on RAW cells using 5 ug of antibody. Shaded histogram represents cells without antibody; green represents isotype control; purple represents antibody. Image using the PE format of this antibody.



Flow Cytometry: RANK/TNFRSF11A Antibody (64C1385.1) TA337036 - Analysis of antibody on (a) untreated BALB/c mouse splenocytes and (b) BALB/c mouse splenocytes stimulated with 5 ug/ml ConA for 72 hours. Cells were stained with 2 ug of antibody per 1×10^6 cells. Green represents isotype control; red represents antibody. Image using the PE format of this antibody.