Product Datasheet

TRANCE/TNFSF11/RANK L Antibody (12A668) - BSA Free
NB100-56512SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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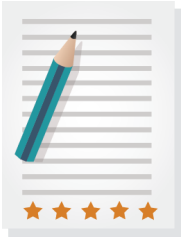
Publications: 41

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-56512

Updated 9/9/2025 v.20.1



NB100-56512SS

TRANCE/TNFSF11/RANK L Antibody (12A668) - BSA Free

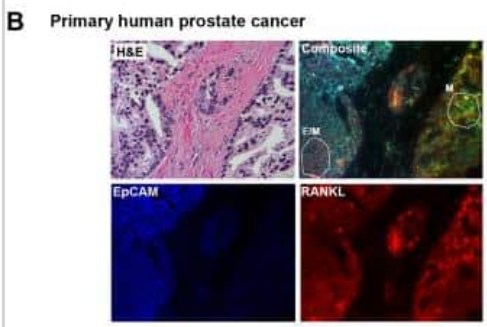
Product Information	
Unit Size	0.025 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	12A668
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	35 kDa

Product Description	
Description	Novus Biologicals Mouse TRANCE/TNFSF11/RANK L Antibody (12A668) - BSA Free (NB100-56512) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and ChIP. Anti-TRANCE/TNFSF11/RANK L Antibody: Cited in 37 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	8600
Gene Symbol	TNFSF11
Species	Human, Mouse, Rat
Immunogen	A bacterially expressed fusion protein containing amino acid residues 1-317 of mouse TRANCE/TNFSF11/RANK L was used as immunogen.

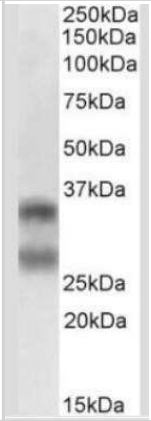
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow (Cell Surface), Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 0.5-2 ug/ml, ELISA reported in scientific literature (PMID 15935726), Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 20 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml, Immunoassay, Flow (Cell Surface), Chromatin Immunoprecipitation (ChIP) 1:10-1:500

Images

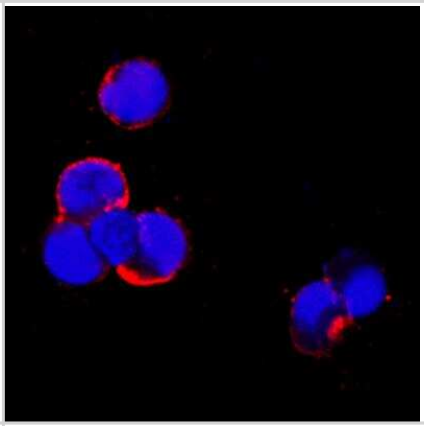
Immunohistochemistry: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - MQDL detects EMT biomarkers in clinical prostate cancer. EMT biomarkers (EpCAM, N-Cad, and RANKL)were detected in a clinical primary prostate cancer specimen (Gleason score 6; 3+3) with documented bone metastasis. M denotes cells that completed EMT and E/M indicates cells undergoing partial EMT. 400x. Image collected and cropped by CiteAb from the following publication (https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0028670) licensed under a CC-BY license.



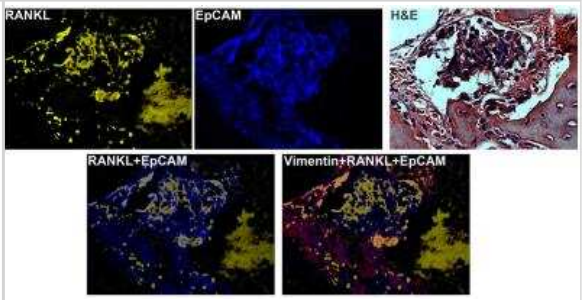
Western Blot: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - Analysis using Azide Free version of NB100-56512. Human lymph node lysate (35ug per lane, RIPA buffer). Band detected at ~35kDa and ~28kDa. (Expected MW of 35.5kDa according to NP_003692.1 and of 27.7kDa according to NP_143026.1)



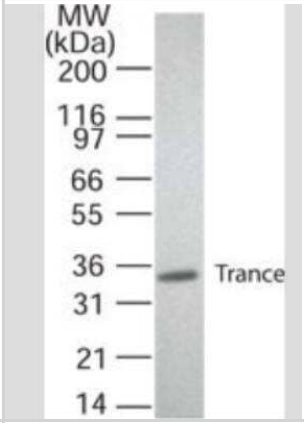
Immunocytochemistry/Immunofluorescence: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - TRANCE was detected in immersion fixed mouse splenocytes using anti-human/mouse/rat mouse monoclonal antibody (Catalog # NB100-56512) for 1 hour at room temperature. Cells were stained using NL557 (red) fluorescent anti-mouse secondary antibodies (Catalog # NL007) and counterstained with DAPI (blue).



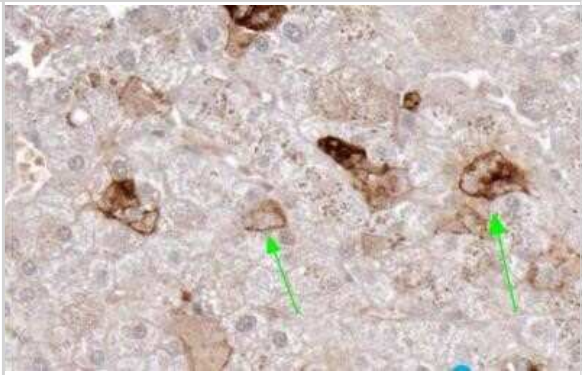
Immunohistochemistry: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - MQDL detects EMT biomarkers in clinical bone tissue specimens. A representative specimen of human prostate cancer bone metastasis co-expressed high levels of epithelial EpCAM, and mesenchymal RANKL and vimentin proteins. 400x. Image collected and cropped by CiteAb from the following publication (https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0028670) licensed under a CC-BY license.



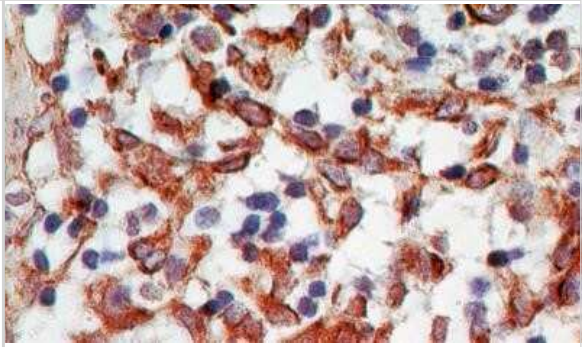
Western Blot: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - Analysis of transfected cell lysate was probed with TRANCE/TNFSF11/RANK L antibody.



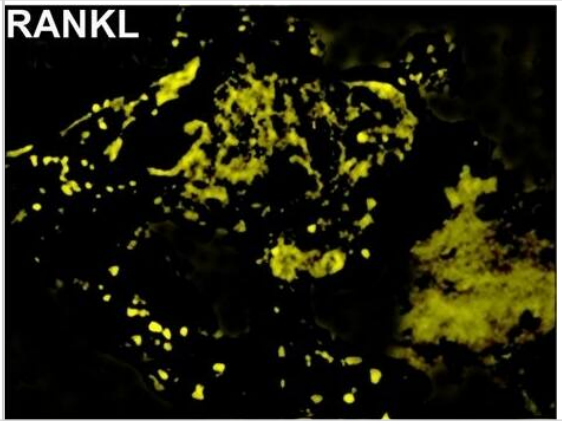
Immunohistochemistry-Paraffin: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - Analysis using Azide Free version of NB100-56512. FFPE human liver stained with TRANCE/TNFSF11/RANK L antibody, peroxidase-conjugate and DAB chromogen. A 2 hr incubation at RT was used.



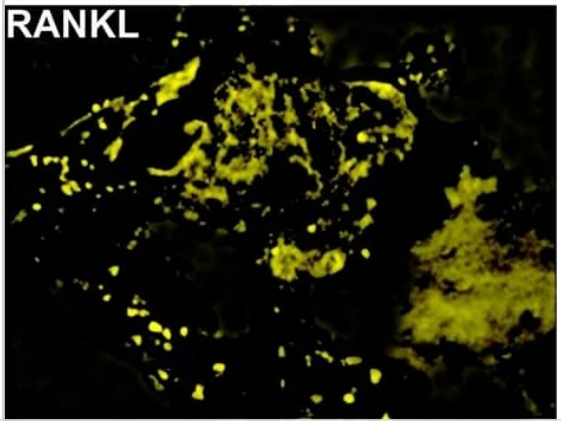
Immunohistochemistry-Paraffin: TRANCE/TNFSF11/RANK L Antibody (12A668) [NB100-56512] - Analysis using Azide Free version of NB100-56512. FFPE human lymph node probed with TRANCE/TNFSF11/RANK L antibody.



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. ×400.



Immunocytochemistry/ Immunofluorescence: TRANCE/TNFSF11/RANKL Antibody (12A668) - BSA Free [NB100-56512] - 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, & mesenchymal RANKL & vimentin proteins. ×400. Image collected & cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0028670), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Li H, Liu C, Zheng S et al. RANKL/PD-1 dual blockade demonstrates survival benefit for patients with advanced lung adenocarcinoma harboring KRAS mutations. Cell Reports Medicine 2025-07-16 [PMID: 40669444]

F Wei, CJ Neal, TS Sakthivel, Y Fu, M Omer, A Adhikary, S Ward, KM Ta, S Moxon, M Molinari, J Asiatico, M Kinzel, SN Yarmolenko, V San Cheong, N Orlovskaya, R Ghosh, S Seal, M Coathup A novel approach for the prevention of ionizing radiation-induced bone loss using a designer multifunctional cerium oxide nanozyme Bioactive materials, 2022-09-21;21(0):547-565. 2022-09-21 [PMID: 36185749]

Ding Y, Yang Y, Xu F et al. Early protection against bone stress injuries by mobilization of endogenous targeted bone remodeling iScience 2023-09-15 [PMID: 37664634]

Fei Wei, Megan Hughes, Mahmoud Omer, Christopher Ngo, Abinaya Sindu Pugazhendhi, Elayaraja Kolanthai, Matthew Aceto, Yasmine Ghattas, Mehdi Razavi, Thomas J Kean, Sudipta Seal, Melanie Coathup A Multifunctional Therapeutic Strategy Using P7C3 as A Countermeasure Against Bone Loss and Fragility in An Ovariectomized Rat Model of Postmenopausal Osteoporosis. Advanced science (Weinheim, Baden-Wurttemberg, Germany) 2024-03-13 [PMID: 38477537]

Odo A, Kunimatsu R, Abe T et al. Stem cells derived from human exfoliated deciduous teeth-based media in a rat root resorption model Archives of Oral Biology 2023-11-01 [PMID: 38056228] (IHC, Rat)

Kresnoadi U, Laksono V, Dahlan A Expression and ratio of receptor activator of nuclear factor kappa-B ligand and osteoprotegerin following application of Nigella sativa/bovine bone graft combination in post tooth extraction sockets The Journal of Indian Prosthodontic Society 2023-07-14 (Immunohistochemistry-Paraffin, Guinea Pig)

Hild V, Mellert K, Möller P, Barth TFE Giant Cells of Various Lesions Are Characterised by Different Expression Patterns of HLA-Molecules and Molecules Involved in the Cell Cycle, Bone Metabolism, and Lineage Affiliation: An Immunohistochemical Study with a Review of the Literature Cancers 2023-07-21 [PMID: 37509363] (Immunohistochemistry-Paraffin, Human)

Details:
1:400 IHC-P dilution

Liu J, Yue J, Wang K et al. Tertiary Lymphoid Structures Are Related to Inflammatory Progression and Bone Loss in Human Apical Periodontitis Journal of endodontics 2023-06-17 [PMID: 37331649]

Wei F, Tuong ZK, Omer M et al. A novel multifunctional radioprotective strategy using P7C3 as a countermeasure against ionizing radiation-induced bone loss Bone research 2023-06-29 [PMID: 37385982] (IHC-P, Rat)

Kunimatsu R, Kimura A, Sakata S et al. Effects of baicalin on the proliferation and expression of OPG and RANKL in human cementoblast-lineage cells J Dent Sci 2022-01-14 [PMID: 35028034]

Sengun MC, Gunpinar S Effects of systemic hydroxytyrosol application in experimental periodontitis of rats International Journal of Plant Based PHARMACEUTICALS 2022-01-01 (IF/IHC, Rat)

Lysitska A, Galanis N, Skandalos I Et al. Histology and Immunohistochemistry of Radial Arteries Are Suggestive of an Interaction between Calcification and Early Atherosclerotic Lesions in Chronic Kidney Disease Medicina 2021-10-24 [PMID: 34833374] (IHC-P, Human)

More publications at http://www.novusbio.com/NB100-56512

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