

Product Datasheet

ROR1 Antibody [Unconjugated] AF2000

Unit Size: 100 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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AF2000**ROR1 Antibody [Unconjugated]**

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute at 0.2 mg/mL in sterile PBS.
Isotype	IgG
Conjugate	Unconjugated
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

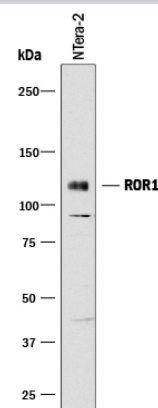
Product Description	
Host	Goat
Gene ID	4919
Gene Symbol	ROR1
Species	Human
Specificity/Sensitivity	Detects human ROR1 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant human ROR2 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human ROR1 Ala24-Glu403 Accession # Q01973
Notes	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/mL, Simple Western 25 ug/mL, Flow Cytometry 0.25 ug/10 ⁶ cells, CyTOF-ready

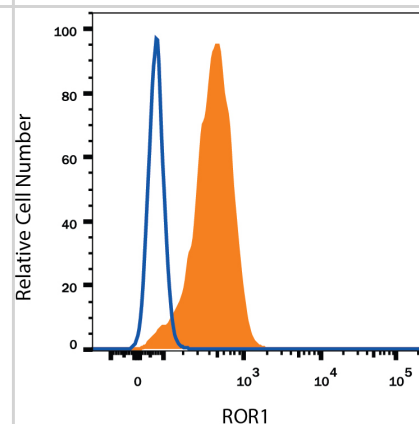


Images

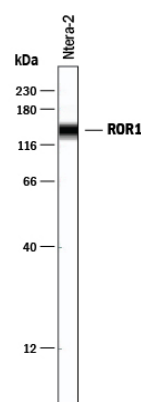
Western blot shows lysate of NTera-2 human testicular embryonic carcinoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human ROR1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2000) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # [HAF017](#)). A specific band was detected for ROR1 at approximately 120 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 1](#).



MDA-MB-231 human breast cancer cell line was stained with Goat Anti-Human ROR1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2000, filled histogram) or isotype control antibody (Catalog # [AB-108-C](#), open histogram), followed by Phycoerythrin-conjugated Anti-Goat IgG Secondary Antibody (Catalog # [F0107](#)). View our protocol for [Staining Membrane-associated Proteins](#).



Simple Western lane view shows lysates of NTera-2 human testicular embryonic carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for ROR1 at approximately 143 kDa (as indicated) using 25 µg/mL of Goat Anti-Human ROR1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2000) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # [HAF109](#)). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



Publications

T Yamaguchi, C Lu, L Ida, K Yanagisawa, J Usukura, J Cheng, N Hotta, Y Shimada, H Isomura, M Suzuki, T Fujimoto, T Takahashi ROR1 sustains caveolae and survival signalling as a scaffold of cavin-1 and caveolin-1 *Nat Commun*, 2016;7(0):10060. 2016 [PMID: 26725982] (IP, , Human)

Henry C, Llamosas E, Knipprath-Meszaros A, Schoetzau A, Obermann E, Fuenfschilling M, Caduff R, Fink D, Hacker N, Ward R, Heinzelmann-Schwarz V, Ford C Targeting the ROR1 and ROR2 receptors in epithelial ovarian cancer inhibits cell migration and invasion. *Oncotarget*, 0;6(37):40310-26. 0 [PMID: 26515598] (WB, , Human)

Baskar S, Kwong KY, Hofer T, Levy JM, Kennedy MG, Lee E, Staudt LM, Wilson WH, Wiestner A, Rader C Unique cell surface expression of receptor tyrosine kinase ROR1 in human B-cell chronic lymphocytic leukemia. *Clin. Cancer Res.*, 2008;14(2):396-404. 2008 [PMID: 18223214] (Flow, , Human)

Gentile A, Lazzari L, Benvenuti S, Trusolino L, Comoglio PM Ror1 is a pseudokinase that is crucial for met-driven tumorigenesis. *Cancer Res.*, 2011;71(8):3132-41. 2011 [PMID: 21487037] (IP, , Human)

Hudecek M, Schmitt TM, Baskar S The B-cell tumor-associated antigen ROR1 can be targeted with T cells modified to express a ROR1-specific chimeric antigen receptor. *Blood*, 2010;116(22):4532-41. 2010 [PMID: 20702778] (Flow, , Human)





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Products Related to AF2000

AB-108-C	Goat IgG Isotype Control [Unconjugated]
645-WN-010/CF	Wnt-5a
9490-RO-050	ROR1 [Unconjugated]
NB100-524	NOD2 Antibody (2D9)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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