Product Datasheet

RUNX2/CBFA1 Antibody (1D8) - Azide and BSA Free H00000860-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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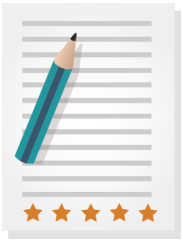
Updated 2/21/2025 v.20.1



H00000860-M01

RUNX2/CBFA1 Antibody (1D8) - Azide and BSA Free

Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1D8
Preservative	No Preservative
Isotype	IgG2b
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Target Molecular Weight	56.6 kDa

Product Description

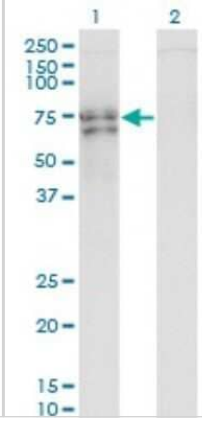
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	860
Gene Symbol	RUNX2
Species	Human, Mouse, Rat
Immunogen	RUNX2/CBFA1 (NP_004339, 251 a.a. ~ 350 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. NPRPSLNSAPSPFNPQGQSQITDPRQAQSSPPWSYDQSYPSYLSQMTSPSIH STTPLSSTRGTGLPAITDVPRRISDDDTATSDFCLWPSTLSKKSQAGA
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

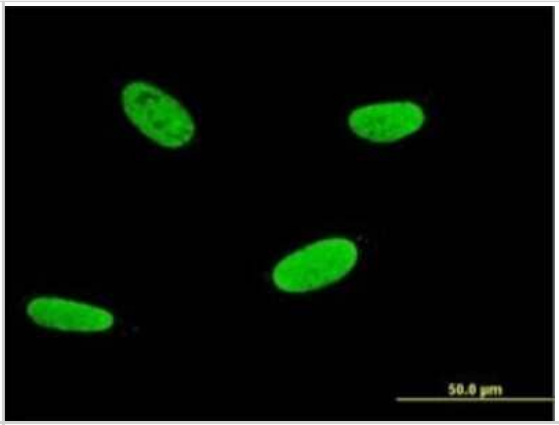
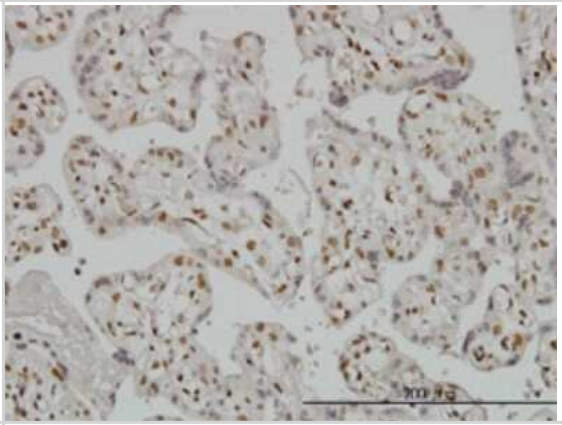
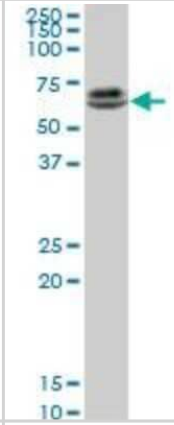
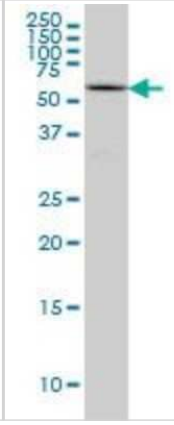
Product Application Details

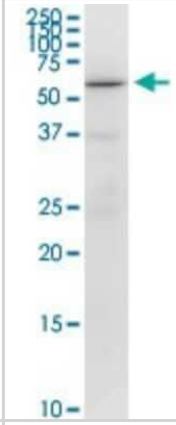
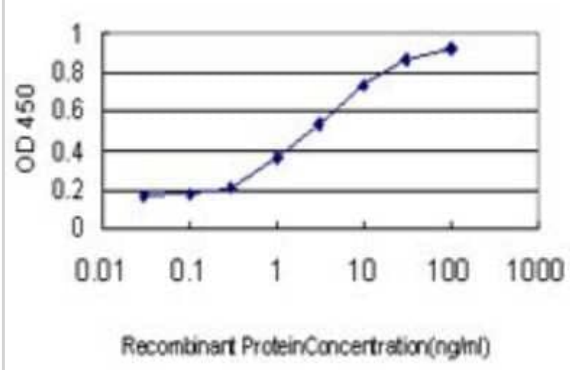
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

Images

Western Blot: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - Analysis of RUNX2 expression in transfected 293T cell line by RUNX2 monoclonal antibody (M01), clone 1D8.Lane 1: RUNX2 transfected lysate (Predicted MW: 60.28 KDa).Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - Analysis of monoclonal antibody to RUNX2 on U-2 OS cell . Antibody concentration 10 ug/ml.	
Immunohistochemistry-Paraffin: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - Analysis of monoclonal antibody to RUNX2 on formalin-fixed paraffin-embedded human placenta. Antibody concentration 3 ug/ml.	
Western Blot: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - Western Blot analysis of RUNX2 expression in SJCRH30 (Cat # L027V1).	
Western Blot: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - Western Blot analysis of RUNX2 expression in K-562 (Cat # L009V1).	

Western Blot: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - RUNX2 monoclonal antibody (M01), clone 1D8. Analysis of RUNX2 expression in Jurkat.	
Sandwich ELISA: RUNX2/CBFA1 Antibody (1D8) [H00000860-M01] - Detection limit for recombinant GST tagged RUNX2 is approximately 0.03ng/ml as a capture antibody.	

Publications

Yin H, Liu W, Huang Y et al. Surface Epitaxial Crystallization-Directed Nanotopography for Accelerating Preosteoblast Proliferation and Osteogenic Differentiation. ACS Appl Mater Interfaces. 2019-11-11 [PMID: 31661240]

Posa F, Di Benedetto A, Cavalcanti-Adam EA et al. Vitamin D Promotes MSC Osteogenic Differentiation Stimulating Cell Adhesion and ?V?3 Expression. Stem Cells Int 2018-02-28 [PMID: 29681950]

Scimeca M, Urbano N, Bonfiglio R et al. Breast osteoblast-like cells: a new biomarker for the management of breast cancer. Br. J. Cancer. 2018-10-17 [PMID: 30327566] (IHC-P, Human)

Sase T, Suzuki T, Miura K et al. Runt-related transcription factor 2 (RUNX2) in human colon carcinoma: A potent prognostic factor associated with estrogen receptor. Int J Cancer. 2012-03-07 [PMID: 22396198]

D'Alessandro Delfo, Pertici Gianni, Moscato Stefania et al. Processing large-diameter poly(L-lactic acid) microfiber mesh/mesenchymal stromal cell constructs via resin embedding: an efficient histologic method. Biomed Mater. 2014-08-01 [PMID: 25029413]

Yang X, Fullerton DA, Su X et al Pro-osteogenic phenotype of human aortic valve interstitial cells is associated with higher levels of Toll-like receptors 2 and 4 and enhanced expression of bone morphogenetic protein 2. J Am Coll Cardiol. 2009-02-10 [PMID: 19195606]

Details:
Citation using the Azide Free version of this antibody.

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP1-77461PEP	RUNX2/CBFA1 Antibody Blocking Peptide

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