

Product Datasheet

RUNX2/CBFA1 Antibody (CL0232) - BSA Free NBP2-52887

Unit Size: 0.1 ml

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

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NBP2-52887

RUNX2/CBFA1 Antibody (CL0232) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL0232
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	56.6 kDa

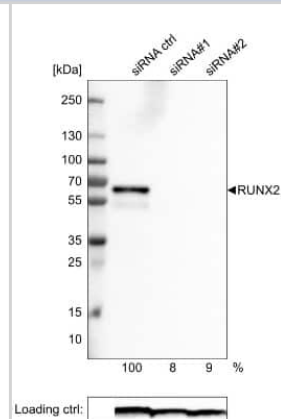
Product Description	
Host	Mouse
Gene ID	860
Gene Symbol	RUNX2
Species	Human
Reactivity Notes	Expected species cross reactivity based on sequence identity: Rat (81%). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from Q13950, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

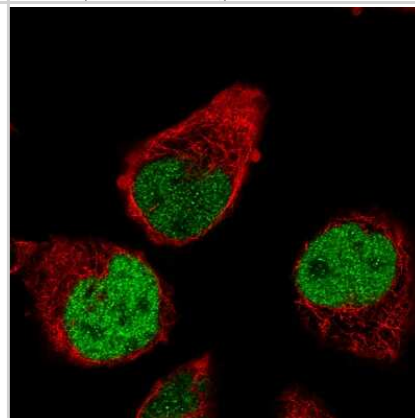


Images

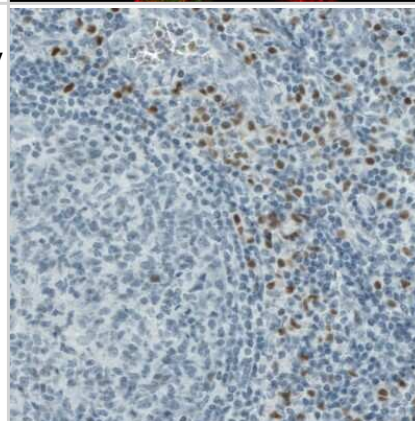
Western Blot: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-RUNX2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



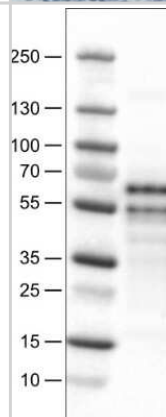
Immunocytochemistry/Immunofluorescence: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Staining of RH-30 cells using the Anti-RUNX2 monoclonal antibody, showing specific staining in the nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



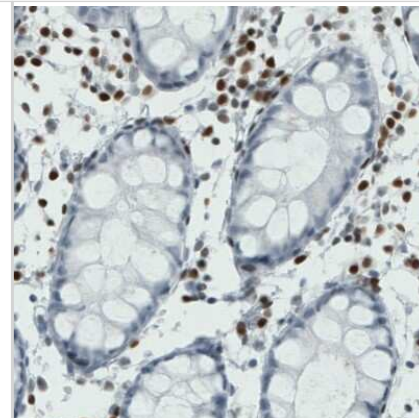
Immunohistochemistry-Paraffin: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Staining of human tonsil shows nuclear immunoreactivity in a subset of lymphoid cells outside the reaction centrum.



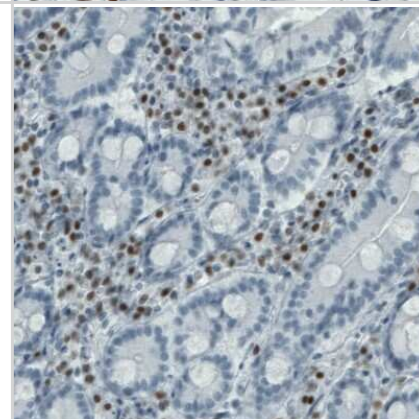
Western Blot: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Lane 1: Marker [kDa], Lane 2: Human cell line U-251 MG



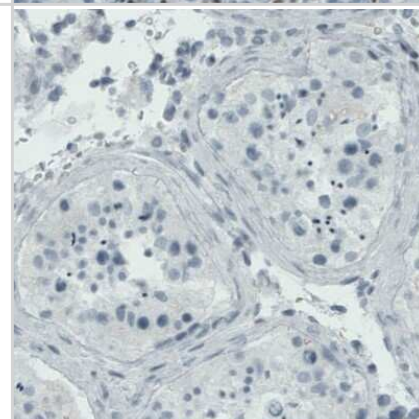
Immunohistochemistry-Paraffin: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Staining of human rectum shows nuclear positivity in lymphoid cells.



Immunohistochemistry-Paraffin: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Staining of human small intestine shows nuclear immunoreactivity in lymphoid cells.



Immunohistochemistry-Paraffin: RUNX2/CBFA1 Antibody (CL0232) [NBP2-52887] - Staining of human testis shows absence of staining (negative control).



Publications

Chan YH, Ho KN, Lee YC et al. Melatonin enhances osteogenic differentiation of dental pulp mesenchymal stem cells by regulating MAPK pathways and promotes the efficiency of bone regeneration in calvarial bone defects Stem cell research & therapy 2022-02-19 [PMID: 35183254] (WB)



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Products Related to NBP2-52887

NBP2-52887PEP	RUNX2/CBFA1 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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