

Mouse RUNX2 Monoclonal Antibody | anti-RUNX2 antibody

RUNX2 (Runt-Related Transcription Factor 2, AML3, CBFA1, CCD, CCD1, MGC120022, MGC120023, OSF2, PEA2aA, PEBP2A1, PEBP2A2, PEBP2aA, PEBP2aA1) (AP)

CATALOG # AAA25978	HOST Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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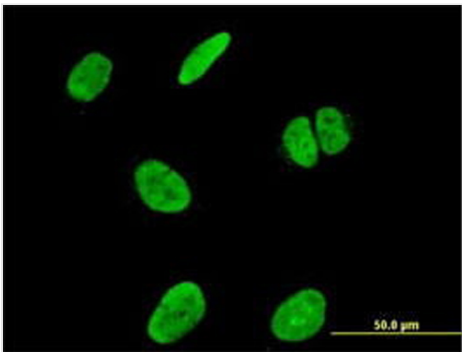
PRODUCT SYNONYMS

RUNX2; Monoclonal Antibody; RUNX2 (Runt-Related Transcription Factor 2; AML3; CBFA1; CCD; CCD1; MGC120022; MGC120023; OSF2; PEA2aA; PEBP2A1; PEBP2A2; PEBP2aA; PEBP2aA1) (AP); Runt-Related Transcription Factor 2; PEBP2aA1; anti-RUNX2 antibody

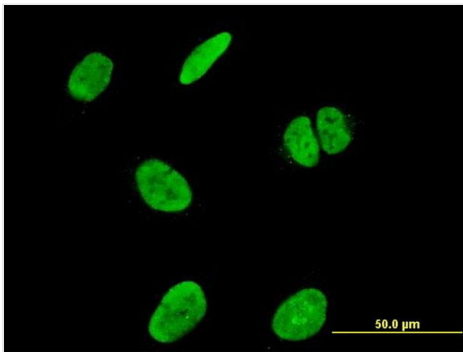
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4D5
Specificity	Recognizes RUNX2.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-RUNX2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	RUNX2 (NP_004339, 251aa-350aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	NPRPSLNSAPSPFNPQGQSQITDPRQAQSSPPWSYDQSYPSYLSQMTSPSIHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDFCLWPSTLSKKSQAGA
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

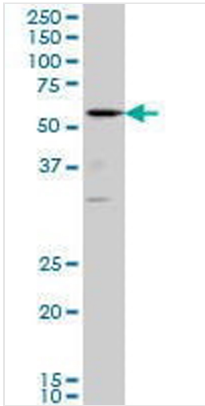
IMAGES



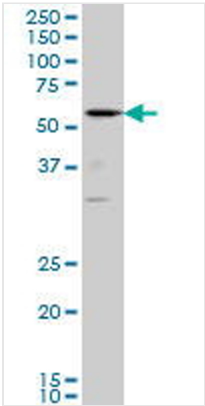
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to RUNX2 on U-2 OS cell. [antibody concentration 10 ug/ml]



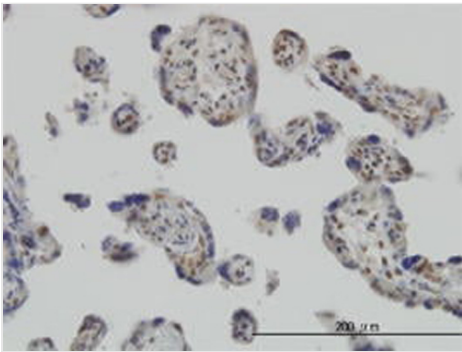
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to RUNX2 on U-2 OS cell. [antibody concentration 10 ug/ml]



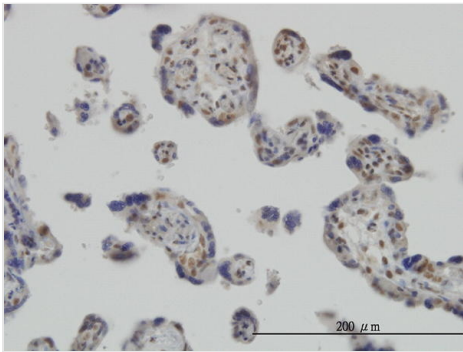
Application Data
Detection limit for recombinant GST tagged RUNX2 is approximately 10ng/ml as a capture antibody.



WB (Western Blot)
RUNX2 monoclonal antibody (M04), clone 4D5 Western Blot analysis of RUNX2 expression in PC-12 (Cat # L012V1).



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to RUNX2 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



Application Data
Immunoperoxidase of monoclonal antibody to RUNX2 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]

ADDITIONAL INFORMATION

Related Product Information for anti-RUNX2 antibody	This gene is a member of the RUNX family of transcription factors and encodes a nuclear protein with an Runt DNA-binding domain. This protein is essential for osteoblastic differentiation and skeletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in skeletal gene expression. The protein can bind DNA both as a monomer or, with more affinity, as a subunit of a heterodimeric complex. Mutations in this gene have been associated with the bone development disorder cleidocranial dysplasia (CCD). Transcript variants that encode different protein isoforms result from the use of alternate promoters as well as alternate splicing. [provided by RefSeq]
Product Categories/Family for anti-RUNX2 antibody	Antibodies ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	17368460
NCBI GeneID	860
NCBI Accession #	NP_004339
NCBI GenBank Nucleotide #	NM_004348
UniProt Accession #	Q13950
Molecular Weight	55kDa
NCBI Official Full Name	Runt-related transcription factor 2
NCBI Official Synonym Full Names	runt related transcription factor 2
NCBI Official Symbol	RUNX2
NCBI Official Synonym Symbols	CCD; AML3; CCD1; CLCD; OSF2; CBFA1; OSF-2; PEA2aA; PEBP2aA; CBF-alpha-1
NCBI Protein Information	runt-related transcription factor 2
UniProt Protein Name	Runt-related transcription factor 2
UniProt Gene Name	RUNX2
UniProt Synonym Gene Names	AML3; CBFA1; OSF2; PEBP2A; CBF-alpha-1; OSF-2; PEA2-alpha A; PEBP2-alpha A
UniProt Entry Name	RUNX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/runx2-antibody-clone-4d5-immunohistochemistry-western-blot-elisa/25978>