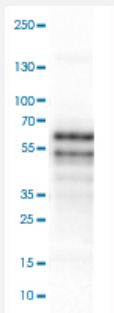


RUNX2 monoclonal antibody, clone CL0232

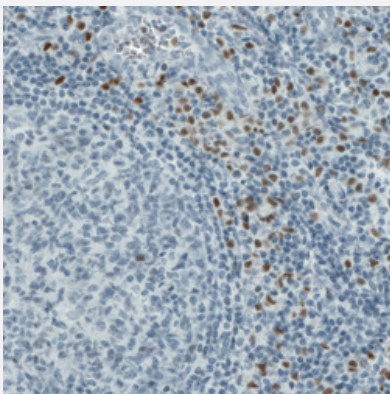
Catalog # MAB15571 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of U-251 MG cell lysate with RUNX2 monoclonal antibody, clone CL0232 (Cat # MAB15571).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with RUNX2 monoclonal antibody, clone CL0232 (Cat # MAB15571) shows nuclear immunoreactivity in a subset of lymphoid cells outside the reaction centrum.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human RUNX2.
Immunogen	Recombinant protein corresponding to human RUNX2.
Epitope	This antibody binds to an epitope located within the peptide sequence VPRRISGASELGPFS as determined by overlapping synthetic peptides.
Sequence	LNSAPSPFNPQGQSQITDPRQAQSSPPWSYDQSYPSYLSQMTSPSIHSTTPLSSTRGTGLPAITDV PRRISGASELGPFS DPRQFPSISLTSRFSNPRMHYPA
Host	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG2a
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of U-251 MG cell lysate with RUNX2 monoclonal antibody, clone CL0232 (Cat # MAB15571).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with RUNX2 monoclonal antibody, clone CL0232 (Cat # MAB15571) shows nuclear immunoreactivity in a subset of lymphoid cells outside the reaction centrum.

Gene Info — RUNX2

Entrez GeneID	860
Protein Accession#	Q13950
Gene Name	RUNX2
Gene Alias	AML3, CBFA1, CCD, CCD1, MGC120022, MGC120023, OSF2, PEA2aA, PEBP2A1, PEBP2A2, PEBP2aA, PEBP2aA1
Gene Description	runt-related transcription factor 2
Omim ID	119600 600211
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

CBF-alpha 1|OTTHUMP00000016533|SL3-3 enhancer factor 1 alpha A subunit|SL3/AKV core-binding factor alpha A subunit|acute myeloid leukemia 3 protein|core-binding factor, runt domain, alpha subunit 1|osteoblast-specific transcription factor 2|polyomavirus e

Disease

- [Alzheimer disease](#)
- [Bone Diseases](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cleidocranial Dysplasia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)