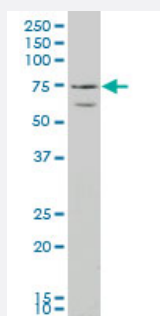


RUNX2 monoclonal antibody (M24), clone 4B4

Catalog # H00000860-M24

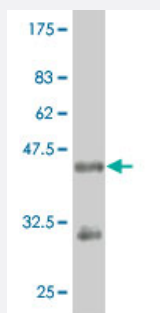
Size 100 ug

Applications



Western Blot (Cell lysate)

RUNX2 monoclonal antibody (M24), clone 4B4 Western Blot analysis of RUNX2 expression in LNCaP (Cat # L004V1).



Western Blot detection against Immunogen (41.14 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant RUNX2.

Immunogen

RUNX2 (NP_001019801.1, 311 a.a. ~ 450 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

TSPSIHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDFCCLWPSTLSKKSQAGASELGPFSDPRQF
PSISLTERFSNPRMHYPATFTYTPPVTSGLMSLGMSATTHYHTYLPYPGSSQSQSGPFQTSSST
PYLYYGTS

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.14 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

RUNX2 monoclonal antibody (M24), clone 4B4 Western Blot analysis of RUNX2 expression in LNCaP (Cat # L004V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — RUNX2

Entrez GeneID	860
GeneBank Accession#	NM_001024630
Protein Accession#	NP_001019801.1
Gene Name	RUNX2
Gene Alias	AML3, CBFA1, CCD, CCD1, MGC120022, MGC120023, OSF2, PEA2aA, PEBP2A1, PEBP2 A2, 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](#)