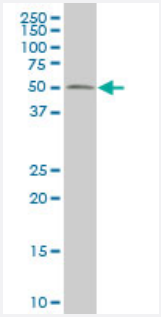
RUNX2 monoclonal antibody (M20), clone 4D7

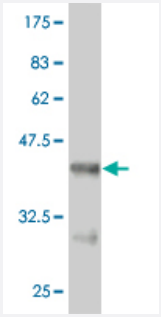
Catalog # H00000860-M20 Size 100 ug

Applications



Western Blot (Cell lysate)

RUNX2 monoclonal antibody (M20), clone 4D7 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	TSPSIHSTTPLSSTRGTGLPAITDVPRRISDDDTATSDFCLWPSTLSKKSQAGASELGPFSDPRQFPSISSLTESRFSNPRMHYPATFTYTPPVTSGMSLGMSATTHYHTYLPPPYPGSSQSQSGPFQTSSTPYLYYGTS
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 (M20), clone 4D7 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, 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 sk eletal morphogenesis and acts as a scaffold for nucleic acids and regulatory factors involved in sk eletal 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 d evelopment disorder cleidocranial dysplasia (CCD). Transcript variants that encode different prot ein 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-bi nding factor alpha A subunit|acute myeloid leukemia 3 protein|core-binding factor, runt domain, al pha 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