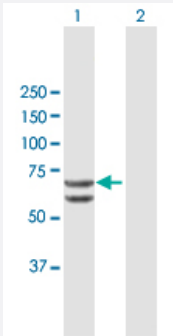


MaxPab®

RUNX2 purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00000860-B02P Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of RUNX2 expression in transfected 293T cell line ([H00000860-T02](#)) by RUNX2 MaxPab polyclonal antibody.

Lane 1: RUNX2 transfected lysate(55.77 KDa).
Lane 2: Non-transfected lysate.

Specification	
Product Description	Mouse polyclonal antibody raised against a full-length human RUNX2 protein.
Immunogen	RUNX2 (AAI60022.1, 1 a.a. ~ 507 a.a) full-length human protein.
Sequence	MRIPVDPSTSRRFSPSSSLQPGKMSDVSPVVAQQQQQQQQQQQQQQQQQQQQQEEAAA AAAAAAAAAAAAAVPRLRPPHDNRTMVEIADHPAELVRTDSPNFLCSVLPSHWRCNKTLPVAF KVVALGEVPDGTVVTVMAGNDENYSAELRNASAVMKNQVARFNDLRFVGRSGRGKSFTLTITVF TNPPQVATYHRAIKVTVDGPREPRRHRQKLDDSKPSLFSDDLGRIPHPSMRVGVPPQNPRP SLNSAPSPFNPQQGSQITDPRQAQSSPPWSYDQSYPSYLSQMTSPSIHSTTPLSSTRGTGLPAITD VPRRISDDDTATSDFCLWPSTLSKKSQAGASELGPFS DPRQFPSISSLTESRFSNPRMHYPATFT YTPPVTSGLMSLGMSATTHYHTYLPPPYPGSSQSQSGPFQTSSTPYLYGTSSGSYQFPMVPGGD RSPSRMLPPCTTTSNGSTLLNPNLPNQNDGVDADGSHSSSPTVLNSSGRMDESVWRPY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (97)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

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 (Transfected lysate)

Western Blot analysis of RUNX2 expression in transfected 293T cell line ([H00000860-T02](#)) by RUNX2 MaxPab polyclonal antibody.

Lane 1: RUNX2 transfected lysate(55.77 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — RUNX2

Entrez GeneID
[860](#)
GeneBank Accession#
[BC160022.1](#)
Protein Accession#
[AA160022.1](#)
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](#)