

MSX2 Antibody

Catalog No: #34744

Package Size: #34744-1 50ul #34744-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

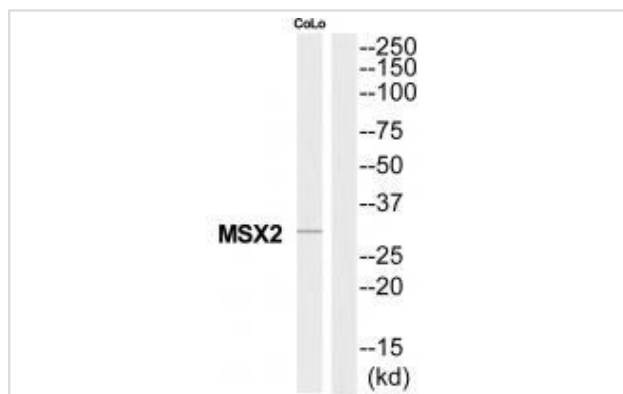
Description

Product Name	MSX2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total MSX2protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human MSX2.
Target Name	MSX2
Other Names	CRS2; FPP; Homeobox protein Hox-8; Homeobox protein MSX-2; HOX8
Accession No.	Swiss-Prot: P35548NCBI Gene ID: 4488
Uniprot	P35548
GeneID	4488;
SDS-PAGE MW	29kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from COLO205 cells, using MSX2 antibody #34744.

Background

Acts as a transcriptional regulator in bone development. Represses the ALPL promoter activity and antagonizes the stimulatory effect of DLX5 on ALPL expression during osteoblast differentiation. Probable morphogenetic role. May play a role in limb-pattern formation. In osteoblasts, suppresses transcription driven by the osteocalcin FGF response element (OCFRE). Binds to the homeodomain-response element of the ALPL promoter.

Hodgkinson J.E., *Biochim. Biophys. Acta* 1174:11-16(1993).

Jabs E.W., *Cell* 75:443-450(1993).

Iimura T., *DNA Seq.* 8:87-92(1997).

Note: This product is for in vitro research use only