

# Immunotag™ MSX2 Antibody

Antibody Specification	
Catalog No.	ITA5005
Product Description	Immunotag™ MSX2 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MSX2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500~1:1000 IHC: 1:50~1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide
Specificity	MSX2 Antibody detects endogenous levels of total MSX2
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	MSX2
Accession No.	P35548
Alternate Names	CRS 2; CRS2; FPP; Homeo box msh like 2; Homeobox protein Hox-8; Homeobox protein MSX 2; Homeobox protein MSX-2; Homeobox protein MSX2; Hox 8; Hox8; MSH; Msh homeo box 2; Msh homeo box homolog; Msh homeo box homolog 2; Msh homeobox 2; Msh homeobox homolog 2; Msx 2; MSX2; MSX2_HUMAN; Parietal foramina 1; PFM 1; PFM; PFM1;

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Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	29 KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.