

Rabbit anti-Human, Mouse MSX2 Polyclonal Antibody | anti-MSX2 antibody

MSX2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324792	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

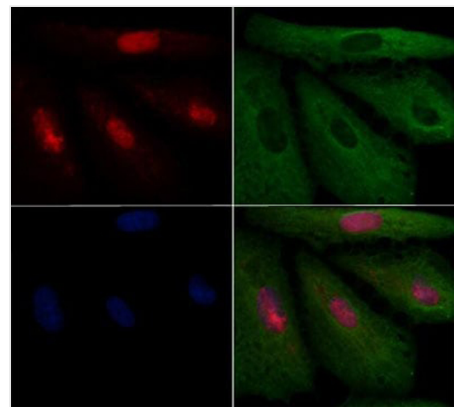
PRODUCT SYNONYMS

MSX2; Polyclonal Antibody; MSX2 Antibody; 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_HUMAN; Parietal foramina 1; PFM 1; PFM; PFM1; anti-MSX2 antibody

PRODUCT SPECIFICATIONS

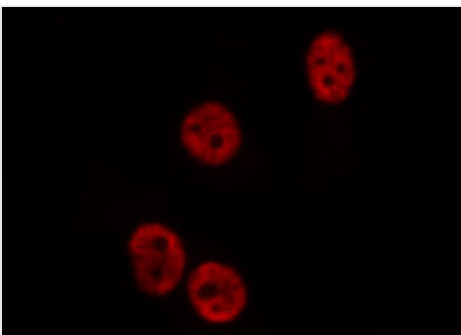
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Msx2/Hox8 antibody detects endogenous levels of total Msx2/Hox8.
Purity/Purification	Peptide affinity purification.
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	267
Applicable Applications for anti-MSX2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Msx2/Hox8, corresponding to a region within the internal amino acids.
Important	For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



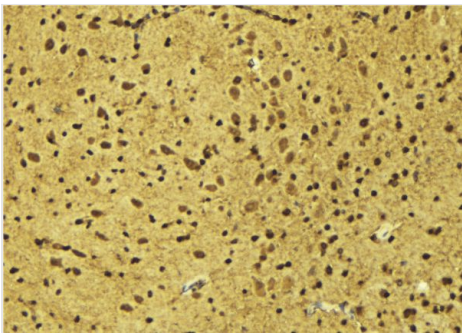
IF (Immunofluorescence)

AAA324792 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA324792) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI (blue).



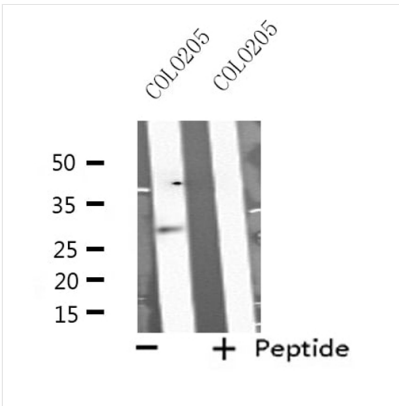
IF (Immunofluorescence)

AAA324792 staining COLO205 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324792 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-MSX2 antibody

Function: 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. Subunit Structure: Interacts with MINT (By similarity). Interacts with XRCC6 (Ku70) and XRCC5 (Ku80). Similarity: Belongs to the Msh homeobox family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27886557
NCBI GeneID	4488
NCBI Accession #	NP_002440.2
NCBI GenBank Nucleotide #	NM_002449.4
UniProt Accession #	P35548; Q53XM4; Q9UD60; D3DQN1
Molecular Weight	29 kDa
NCBI Official Full Name	homeobox protein MSX-2 isoform 1

NCBI Official Synonym Full Names	msh homeobox 2
NCBI Official Symbol	MSX2
NCBI Official Synonym Symbols	FPP; MSH; PFM; CRS2; HOX8; PFM1
NCBI Protein Information	homeobox protein MSX-2
UniProt Protein Name	Homeobox protein MSX-2
UniProt Gene Name	MSX2
UniProt Synonym Gene Names	HOX8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/msx2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324792>