

Rabbit anti-Human Msx2 Polyclonal Antibody | anti-MSX2 antibody

Msx2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290023	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

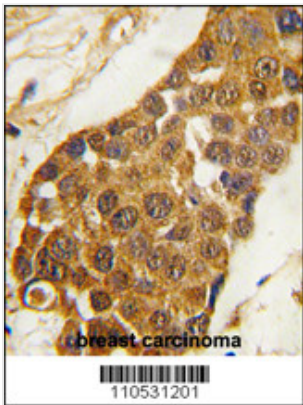
PRODUCT SYNONYMS

Msx2; Polyclonal Antibody; Msx2 Antibody (C-term); Homeobox protein MSX-2; Homeobox protein Hox-8; MSX2; HOX8; anti-MSX2 antibody

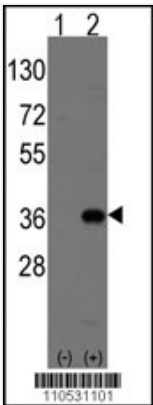
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Msx2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-222 amino acids from the C-terminal region of human Msx2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.39 (varies by lot)
Sequence Positions	191-222
Sequence Length	267
Applicable Applications for anti-MSX2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with Msx2 Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of Msx2 (arrow) using rabbit polyclonal Msx2 Antibody (Human C-term).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Msx2 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-MSX2 antibody	This gene encodes a member of the muscle segment homeobox gene family. The encoded protein is a transcriptional repressor whose normal activity may establish a balance between survival and apoptosis of neural crest-derived cells required for proper craniofacial morphogenesis. The encoded protein may also have a role in promoting cell growth under certain conditions and may be an important target for the RAS signaling pathways. Mutations in this gene are associated with parietal foramina 1 and craniosynostosis type 2.
Product Categories/Family for anti-MSX2 antibody	Cancer; Cardiovascular; Neuroscience
References	Shao,J.S., Ann. N. Y. Acad. Sci. 1117, 40-50 (2007) Han,J., Mech. Dev. 124 (9-10), 729-745 (2007) Ghassibe,M., Eur. J. Pediatr. 165 (10), 734-735 (2006)

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	28897
NCBI Official Full Name	homeobox protein MSX-2
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-immunohistochemistry-western-blot-elisa/290023>