

Goat anti-MSX1 Antibody

Item Number	dAP-0468
Target Molecule	Principle Name: MSX1; Official Symbol: MSX1; All Names and Symbols: MSX1; HOX7; HYD1; msh homeo box homolog 1 (Drosophila); msh homeobox 1; STHAG1; homeobox 7; msh homeo box 1; msh homeobox homolog 1; Accession Number (s): NP_002439.2; Human Gene ID(s): 4487; Non-Human GeneID(s): 17701 (mouse)
Immunogen	TSLPLGVKVVEDS, is from N Terminus
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	Western Blot: Preliminary experiments gave an approx. 55-60kDa band in Human Muscle and Heart lysates at 1ug/ml. Further, this band was successfully blocked by incubation with the immunising peptide. Please note that currently we cannot find an explanation.
IHC	Immunohistochemistry: In paraffin embedded Human Prostate shows staining of nucleoli in a few epithelial cells. Recommended concentration, 2-4µg/ml. Data obtained from a previous batch (different goat).
Reference	Reference(s): Blin-Wakkach C, Lezot F, Ghoul-Mazgar S, Hotton D, Monteiro S, Teillaud C, Pibouin L, Orestes-Cardoso S, Papagerakis P, Macdougall M, Robert B, Berdal A. Endogenous Msx1 antisense transcript: <i>in vivo</i> and <i>in vitro</i> evidences, structure, and potential involvement in skeleton development in mammals.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**