



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06397 - Goat Anti-MSX1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MSX1, HOX7, HYD1, msh homeo box homolog 1 (Drosophila), msh homeobox 1, STHAG1, homeobox 7, msh homeo box 1, msh homeobox homolog 1

**Official Symbol:** MSX1

**Accession Number(s):** NP\_002439.2

**Human GeneID(s):** [4487](#)

**Non-Human GeneID(s):** 17701 (mouse)

### Immunogen

Peptide with sequence TSLPLGVKVEDS-C, from the N Terminus of the protein sequence according to NP\_002439.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

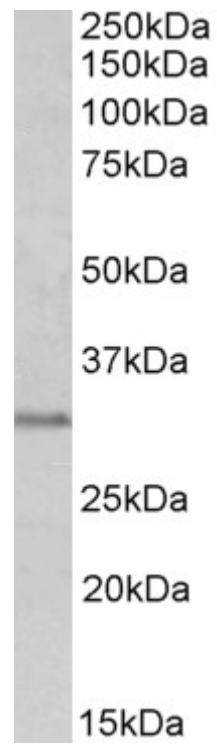
**Western blot:** Preliminary experiments gave an approx. 55-60kDa band in Human Muscle and Heart lysates at 1ug/ml. Further, this band was successfully blocked by incubation with the immunising peptide. Please note that currently we cannot find an explanation in the literature for the band we observe given the predicted size of approx. 31.4kDa according to Human NP\_002439.2. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

**IHC:** 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).

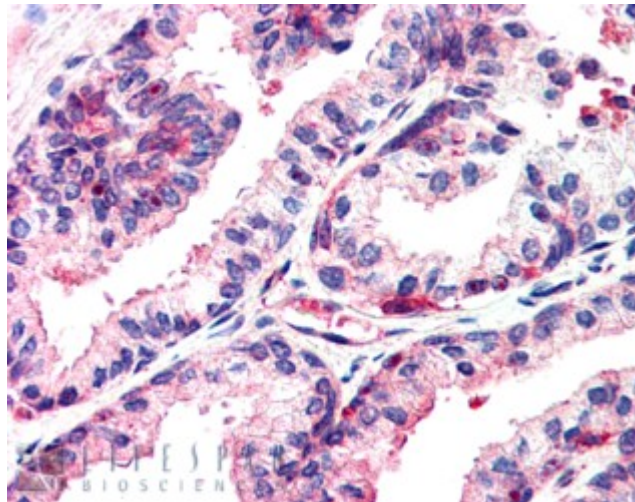
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Pig, Cow



EB06397 (0.3 $\mu$ g/ml) staining of Human Prostate lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06397 (2.5 $\mu$ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.