

## Goat anti-HMGA1 Antibody

<b>Item Number</b>	dAP-0707
<b>Target Molecule</b>	Principle Name: HMGA1; Official Symbol: HMGA1; All Names and Symbols: HMGA1; high mobility group AT-hook 1 ; HGNC:5010; HMG-R; HMGIY; MGC12816; MGC4242; MGC4854 ; OTTHUMP00000039618; high-mobility group (nonhistone chromosomal) protein isoforms I and Y; nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y; HMGA1A;; Accession Number (s): NP_665906.1; NP_665908.1; NP_002122.1; NP_665909.1; NP_665912.1; NP_665910.1; Human Gene ID(s): 3159; Non-Human GeneID
<b>Immunogen</b>	LASKQEKGTEK, is from internal region This antibody is expected to recognise isoform a (also called HMG-I; NP_665906.1; NP_665908.1) and isoform b (also called HMG-Y; NP_002122.1; NP_665909.1; NP_665910.1; NP_665912.1).
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 50kDa band in Human Testis and Ovary lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated si
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Placenta shows strong nuclear staining. Recommended concentration, 4-6µg/ml.
<b>Reference</b>	Reference(s): Chiappetta G, Botti G, Monaco M, Pasquinelli R, Pentimalli F, Di Bonito M, D'Aiuto G, Fedele M, Iuliano R, Palmieri EA, Pierantoni GM, Giancotti V, Fusco A. HMGA1 protein overexpression in human breast carcinomas: correlation with ErbB2

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**