

Goat anti-HMGA1 (aa9-21) Antibody

Item Number	dAP-1851
Target Molecule	Principle Name: HMGA1 (aa9-21); Official Symbol: HMGA1; All Names and Symbols: HMGA1; high mobility group AT-hook 1; HMG-R; HMGA1A; HMG1Y; MGC12816; MGC4242; MGC4854; OTTHUMP0000016222; OTTHUMP0000016223; OTTHUMP0000016224; OTTHUMP0000039618; high-mobility group (nonhistone chromosomal) protein isoforms I and Y; nonhistone chrom; Accession Number (s): NP_665906.1; NP_002122.1; Human Gene ID(s): 3159; Non-Human GeneID(s): 15361 (mouse)
Immunogen	SQPLASKQEKDGT, is from internal region (near N Terminus) This antibody is expected to recognize reported isoforms a (NP_665906.1, NP_665908.1, NP_665911.1) and b (NP_002122.1, NP_665910.1, NP_665912.1). This antibody is not expected to cross-react with
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 16000.
Western Blot	Western Blot: Approx 24kDa band observed in Human Pancreas (calculated MW of 11.7kDa/10.7kDa according to NP_665906.1; NP_002122.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. T
IHC	Immunohistochemistry: Paraffin embedded Human Skin and Placenta. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Liau SS, Rocha F, Matros E, Redston M, Whang E, High mobility group AT-hook 1 (HMGA1) is an independent prognostic factor and novel therapeutic target in pancreatic adenocarcinoma. <i>Cancer</i> 2008 Jul 113 (2): 302-14.. PMID: 18473350->

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**