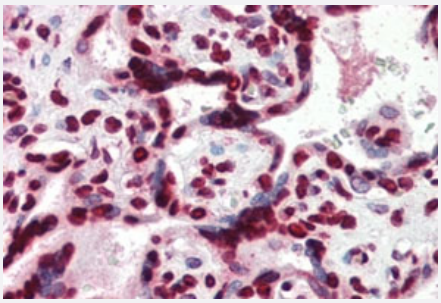
HMGA1 polyclonal antibody

Catalog # PAB6836 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

HMGA1 polyclonal antibody (Cat # PAB6836) (4 ug/mL) staining of paraffin embedded human placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of HMGA1.
Immunogen	A synthetic peptide corresponding to human HMGA1.
Sequence	C-LASKQEKDGTEK
Host	Goat
Theoretical MW (kDa)	11.7, 10.7
Reactivity	Human
Specificity	This antibody is expected to recognize isoform a (also called HMG-I, NP_665906.1, NP_665908.1, NP_665911.1) and isoform b (also called HMG-Y, NP_002122.1, NP_665909.1, NP_665910.1, NP_665912.1).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:32000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4-6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HMGA1

Entrez GeneID	3159
Protein Accession#	NP_665906.1;NP_665908.1;NP_665911.1;NP_002122.1;NP_665909.1;NP_665912.1;NP_665910.1
Gene Name	HMGA1
Gene Alias	HMG-R, HMGA1A, HMGIY, MGC12816, MGC4242, MGC4854
Gene Description	high mobility group AT-hook 1
Omim ID	600701
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic p rogression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-ri ch regions in double-stranded DNA. It has little secondary structure in solution but assumes distin ct conformations when bound to substrates such as DNA or other proteins. The encoded protein i s frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq

Other Designations	OTTHUMP00000016222|OTTHUMP00000016223|OTTHUMP00000016224|OTTHUMP00000039618|high-mobility group (nonhistone chromosomal) protein isoforms I and Y|nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y

Publication Reference

- HMGA1 protein overexpression in human breast carcinomas: correlation with ErbB2 expression.

  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.

  Clinical Cancer Research 2004 Nov; 10(22):7637.

  Application: IHC-P, Human, Breast

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Tobacco Use Disorder