

Product datasheet for **AP22498PU-N**

HMGA1 (12-23) Goat Polyclonal Antibody

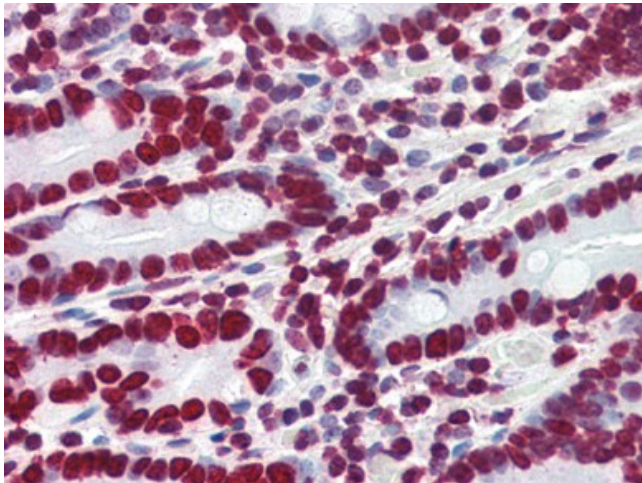
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: 1/32000. Immunohistochemistry on Paraffin Sections: 4 µg/ml.
Reactivity:	Bovine, Canine, Human, Mouse, Porcine, Rat, Bat, Equine, Hamster, Monkey, Rabbit
Host:	Goat
Clonality:	Polyclonal
Immunogen:	HMGA1 antibody was raised against synthetic peptide from an internal region of human HMGA1.
Specificity:	This antibody reacts to High Mobility Group Protein Hmg-i (HMGA1) at aa 12-23. It 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).
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA and 0.02% sodium azide State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	high mobility group AT-hook 1
Database Link:	Entrez Gene 15361 Mouse Entrez Gene 117062 Rat Entrez Gene 3159 Human P17096

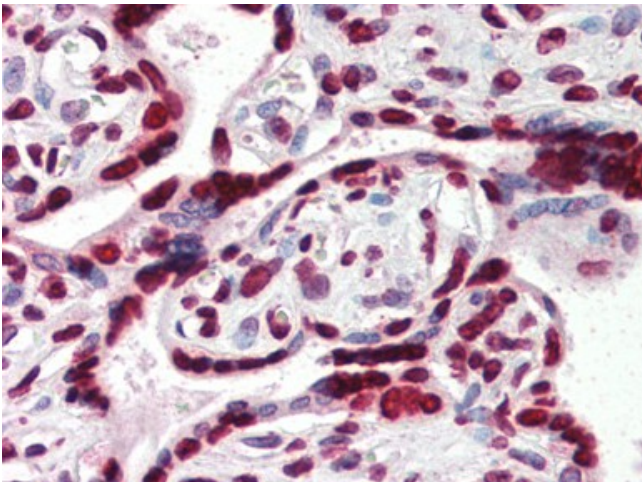


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- Background:** HMGIY / HMGA1 is a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins.
- Synonyms:** High mobility group protein HMG-I/HMG-Y, High mobility group protein A1, High mobility group protein R
- Protein Families:** Druggable Genome, Stem cell - Pluripotency, Stem cell relevant signaling - JAK/STAT signaling pathway, Transcription Factors

Product images:

Human Small Intestine (formalin-fixed, paraffin-embedded) stained with HMGA1 antibody at 4 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Human Placenta (formalin-fixed, paraffin-embedded) stained with HMGA1 antibody at 4 ug/ml followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.