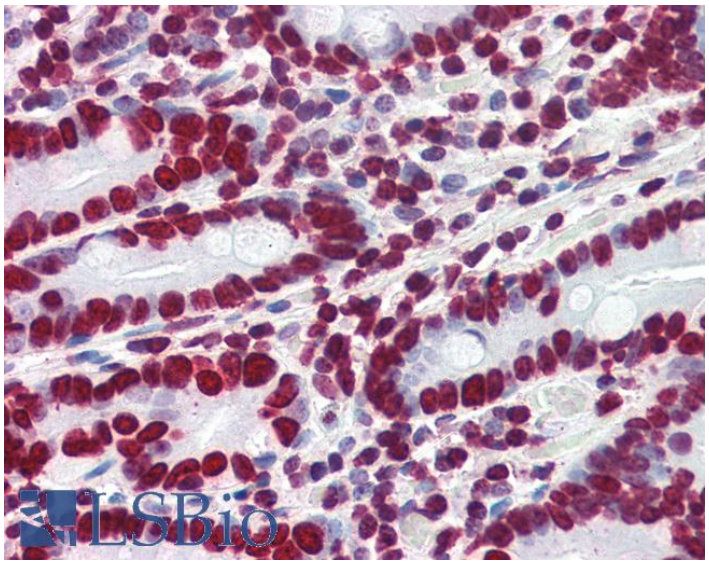
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GOAT ANTI-HMGA1 ANTIBODY

SKU: EB06859



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	OTTHUMP00000016224|OTTHUMP00000016223|HMGA1A|nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y|high-mobility group (nonhistone chromosomal) protein isoforms I and Y|OTTHUMP00000039618|MGC4854|MGC4242|MGC12816|HMGIY|HMG-R|HGNC:5010|high mobility group AT-hook 1|HMGA1
Usage Summary	<p>Additional validation: This antibody has been successfully used in qRT-PCR on Human: Cello et al. (2013) PMID: 23545254.
Accession ID	NP_665906.1; NP_665908.1; NP_002122.1; NP_665909.1; NP_665912.1; NP_665910.1
Blocking Peptide	EBP06859
Immunogen	Peptide with sequence C-LASKQEKDGTEK, from the internal region of the protein sequence according to NP_665906.1; NP_665908.1; NP_002122.1; NP_665909.1; NP_665912.1; NP_665910.1.
Product Comments	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).

Peptide Sequence	C-LASKQEKDGTEK
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Pig, Cow
Reactive Species	Human
Human Gene ID	3159
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
IHC Results	Paraffin embedded Human Placenta and Small Intestine. Recommended concentration: 4µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:32000.
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 size of 11.7kDa according to isoform a (also called HMG-I; NP_665906.1; NP_665908.1; NP_665911.1) and 10.7kDa according to isoform b((also called HMG-Y; NP_002122.1; NP_665909.1; NP_665910.1; NP_665912.1). The 50kDa band was successfully blocked by incubation with the immunizing peptide.
Application Type	Pep-ELISA, IHC

SELECTED REFERENCES

[{"pmid": 23545254, "intro": "**This antibody has been successfully used in qRT-PCR on Human:**", "title": "Knockdown of HMGA1 inhibits human breast cancer cell growth and metastasis in immunodeficient mice.", "author": "Di Cello F, Shin J, Harbom K, Brayton C.", "journal": "Biochem Biophys Res Commun. 2013 Apr 26;434(1):70-4."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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