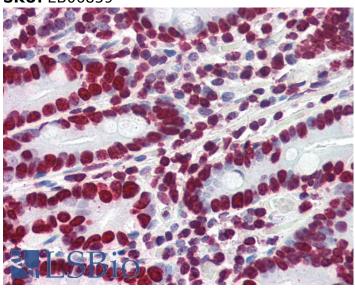


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GOAT ANTI-HMGA1 ANTIBODY

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

Instructions Aliquot and store at -20°C. Minimize freezing and thawing.

Synonym /

OTTHUMP00000016224|OTTHUMP00000016223|HMGA1A|nonhistone chromosomal high-mobility group

protein HMG-I/HMG-Y|high-mobility group (nonhistone chromosomal) protein isoforms I and

Alias Y|OTTHUMP00000039618|MGC4854|MGC4242|MGC12816|HMGIY|HMG-R|HGNC:5010|high mobility group AT-**Names**

hook 1|HMGA1

Additional validation: This antibody has been successfully used in qRT-PCR on Human: Usage

Cello et al. (2013) PMID: 23545254. Summary

Accession

NP_665906.1; NP_665908.1; NP_002122.1; NP_665909.1; NP_665912.1; NP_665910.1

Blocking

ID

EBP06859 **Peptide**

Peptide with sequence C-LASKQEKDGTEK, from the internal region of the protein sequence according to **Immunogen**

NP_665906.1; NP_665908.1; NP_002122.1; NP_665909.1; NP_665912.1; NP_665910.1.

Product This antibody is expected to recognise isoform a (also called HMG-I; NP 665906.1; NP 665908.1) and isoform b

Comments (also called HMG-Y; NP_002122.1; NP_665909.1; NP_665910.1; NP_665912.1).





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Peptide

C-LASKQEKDGTEK

Sequence

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography

Method

using the immunizing peptide.

Shipping

Instructions

Refrigerated

Predicted Species

Human, Mouse, Rat, Dog, Pig, Cow

Reactive **Species**

Human

Human

3159

Gene ID **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

Antibody detection limit dilution 1:32000.

Limit

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

Western Blot

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.

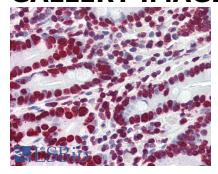
Application

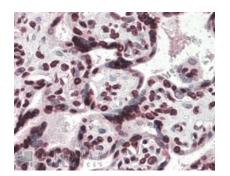
Type

Pep-ELISA, IHC

SELECTED REFERENCES

[{"pmid": 23545254, "intro": "This antibody has been successfully used in gRT-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."}]









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