

Goat Anti-HMGA1 (aa9-21) Antibody

Peptide-affinity purified goat antibody Catalog # AF1532a

Specification

Goat Anti-HMGA1 (aa9-21) Antibody - Product Information

Application WB, E
Primary Accession P17096

Other Accession NP_002122, 3159, 15361 (mouse), 117062 (rat)

Reactivity Human

Predicted Mouse, Rat, Pig, Dog

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG Calculated MW 11676

Goat Anti-HMGA1 (aa9-21) Antibody - Additional Information

Gene ID 3159

Other Names

High mobility group protein HMG-I/HMG-Y, HMG-I(Y), High mobility group AT-hook protein 1, High mobility group protein A1, High mobility group protein R, HMGA1, HMGIY

Dilution

WB~~1:1000 E~~N/A

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-HMGA1 (aa9-21) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-HMGA1 (aa9-21) Antibody - Protein Information

Name HMGA1

Synonyms HMGIY



Function

HMG-I/Y bind preferentially to the minor groove of A+T rich regions in double-stranded DNA. It is suggested that these proteins could function in nucleosome phasing and in the 3'-end processing of mRNA transcripts. They are also involved in the transcription regulation of genes containing, or in close proximity to A+T-rich regions.

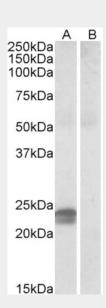
Cellular LocationNucleus, Chromosome.

Goat Anti-HMGA1 (aa9-21) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-HMGA1 (aa9-21) Antibody - Images



AF1532a (0.5 μ g/ml) staining of Human Pancreas lysate (35 μ g protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-HMGA1 (aa9-21) Antibody - Background

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 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. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene.



Goat Anti-HMGA1 (aa9-21) Antibody - References

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