



HMG-I/HMG-Y Polyclonal Antibody

| | |
|---------------------------|---|
| Catalog No | BYab-10925 |
| Isotype | IgG |
| Reactivity | Human; Mouse; Rat |
| Applications | WB;IHC;IF;ELISA |
| Gene Name | HMGA1 HMGIY |
| Protein Name | HMG-I/HMG-Y |
| Immunogen | Synthesized peptide derived from human HMG-I/HMG-Y . AA20-60 |
| Specificity | This antibody detects endogenous levels of human HMG-I/HMG-Y |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Dilution | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | 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) |
| Observed Band | |
| Cell Pathway | Nucleus. Chromosome. |
| Tissue Specificity | B-cell, Colon, Epithelium, Kidney, Liver, Mammary gland, Muscle, Pancreas, Placenta |
| Function | disease:A chromosomal aberration involving HMGA1 is found in pulmonary chondroid hamartoma. Translocation t(6;14)(p21;q23-24) with RAD51L1.,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.,mass spectrometry:With 1 acetyl and 2 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl and 3 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl, 1 methyl and 2 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl, 1 methyl |

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and 3 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl, 2 methyl and 2 phosphate groups PubMed:15302935,mass spectrometry:With 1 acetyl,

Background

This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of AT-rich regions in double-stranded DNA. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been identified on multiple chromosomes. [provided by RefSeq, Jan 2016],

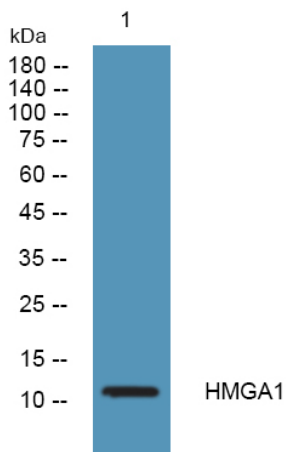
matters needing attention

Avoid repeated freezing and thawing!

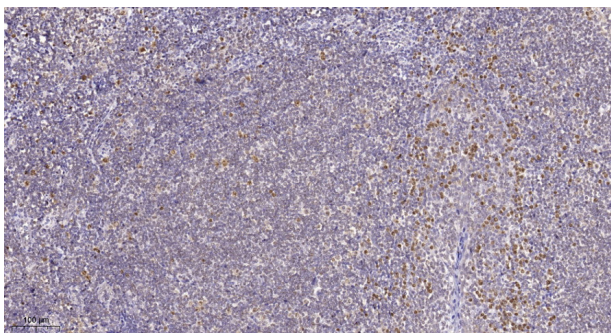
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight). 3, Secondary antibody was diluted at 1:200(room temperature, 45min).

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