

HMGN1 Antibody (phospho-Ser20/Ser24)
Rabbit Polyclonal Antibody
Catalog # ALS11229**Specification**

HMGN1 Antibody (phospho-Ser20/Ser24) - Product Information

Application	WB
Primary Accession	P05114
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11kDa KDa

HMGN1 Antibody (phospho-Ser20/Ser24) - Additional Information**Gene ID** 3150**Other Names**

Non-histone chromosomal protein HMG-14, High mobility group nucleosome-binding domain-containing protein 1, HMGN1, HMG14

Target/Specificity

Amino acids 19-28 of human HMGN protein containing pSer20 and pSer24

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

HMGN1 Antibody (phospho-Ser20/Ser24) is for research use only and not for use in diagnostic or therapeutic procedures.

HMGN1 Antibody (phospho-Ser20/Ser24) - Protein Information**Name** HMGN1**Synonyms** HMG14**Function**

Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2 (By similarity).

Cellular Location

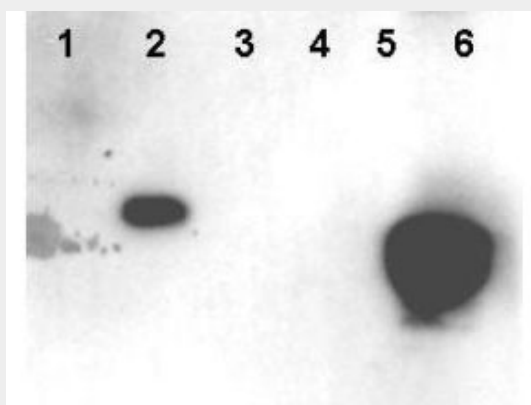
Nucleus. Cytoplasm. Note=Cytoplasmic enrichment upon phosphorylation. The RNA edited version localizes to the nucleus

HMGN1 Antibody (phospho-Ser20/Ser24) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HMGN1 Antibody (phospho-Ser20/Ser24) - Images



Anti-HMNG Antibody - Western Blot.

HMGN1 Antibody (phospho-Ser20/Ser24) - Background

Binds to the inner side of the nucleosomal DNA thus altering the interaction between the DNA and the histone octamer. May be involved in the process which maintains transcribable genes in a unique chromatin conformation. Inhibits the phosphorylation of nucleosomal histones H3 and H2A by RPS6KA5/MSK1 and RPS6KA3/RSK2 (By similarity).

HMGN1 Antibody (phospho-Ser20/Ser24) - References

- Landsman D.,et al.J. Biol. Chem. 261:16082-16086(1986).
Landsman D.,et al.J. Biol. Chem. 264:3421-3427(1989).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Hattori M.,et al.Nature 405:311-319(2000).
Louie D.F.,et al.Protein Sci. 9:170-179(2000).