Anti-HMG-14 antibody

Description	Rabbit polyclonal to HMG-14.

Model	STJ93549
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC
Immunogen	Synthesized peptide derived from human HMG-14 around the non-phosphorylation site of S21.
Immunogen Region	10-90 aa
Gene ID	3150
Gene Symbol	HMGN1
Dilution range	IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	HMG-14 Polyclonal Antibody detects endogenous levels of HMG-14 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Non-histone chromosomal protein HMG-14 High mobility group nucleosome-binding domain-containing protein 1
Molecular Weight	10.659 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:4984OMIM:163920
Alternative Names	Non-histone chromosomal protein HMG-14 High mobility group nucleosome-binding domain-containing protein 1
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 .
Cellular Localization	Nucleus. Cytoplasm. Cytoplasmic enrichment upon phosphorylation. The RNA edited version localizes to the nucleus.
Post-translational Modifications	Phosphorylation on Ser-21 and Ser-25 weakens binding to nucleosomes and increases the rate of H3 phosphorylation . Phosphorylation favors cytoplasmic localization.