Best Tools for immunology Research

HMG-17 (phospho Ser29) Polyclonal Antibody

Catalog No :	YP0999
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	HMG-17
Gene Name :	HMGN2
Protein Name :	Non-histone chromosomal protein HMG-17
Human Gene Id :	3151
Human Swiss Prot No :	P05204
Mouse Gene Id :	1.00504e+008
Mouse Swiss Prot No :	P09602
Rat Swiss Prot No :	P18437
Immunogen :	The antiserum was produced against synthesized peptide derived from human HMG17 around the phosphorylation site of Ser29. AA range:1-50
Specificity :	Phospho-HMG-17 (S29) Polyclonal Antibody detects endogenous levels of HMG-17 protein only when phosphorylated at S29.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 10kD

Observed Band : 15-17kD

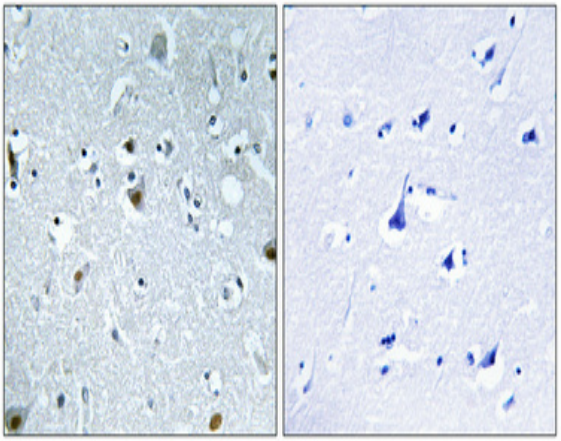
Background : high mobility group nucleosomal binding domain 2(HMGN2) Homo sapiens The protein encoded by this gene binds nucleosomal DNA and is associated with transcriptionally active chromatin. Along with a similar protein, HMGN1, the encoded protein may help maintain an open chromatin configuration around transcribable genes. The protein has also been found to have antimicrobial activity against bacteria, viruses and fungi. [provided by RefSeq, Oct 2014],

Function : 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 an unique chromatin conformation.,mass spectrometry: PubMed:10739259,PTM:Phosphorylation favors cytoplasmic localization.,similarity:Belongs to the HMGN family.,subcellular location:Cytoplasmic enrichment upon phosphorylation.,

Subcellular Location : Nucleus . Cytoplasm . Cytoplasmic enrichment upon phosphorylation.

Expression : Brain,Colon,Eye,Lung,Lymph,Mammary gland,Muscle,Peripheral

Products Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.