



HMG-17 (phospho Ser29) Polyclonal Antibody

Catalog No	YP-Ab-01407
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	HMGN2
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	High mobility group (nonhistone chromosomal) protein 17;high mobility group nucleosomal binding domain 2;High mobility group nucleosome-binding domain-containing protein 2;High mobility group protein N2;HMG17;HMGN2; HMGN2_HUMAN;MGC5629;Non histone chromosomal protein HMG 17;Non-histone chromosomal protein HMG-17;Nonhistone chromosomal protein HMG 17;nonhistone chromosomal protein hmg-17;HMG-17
Observed Band	15-17kD
Calculated Molecular Weight	15-17kD
Cell Pathway	Nucleus . Cytoplasm . Cytoplasmic enrichment upon phosphorylation.
Tissue Specificity	Brain,Colon,Eye,Lung,Lymph,Mammary gland,Muscle,Peripheral
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.,



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],

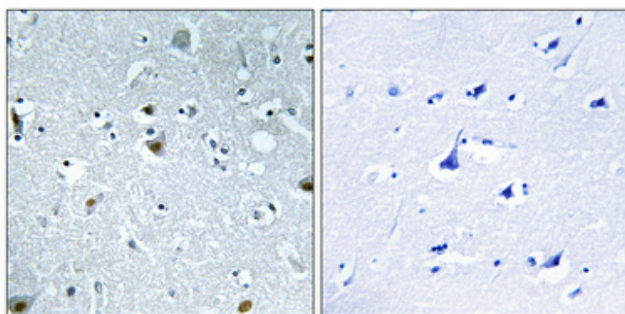
matters needing attention

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



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. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.