

**Product Name: HMG-17 (phospho Ser29) Rabbit Polyclonal Antibody****Catalog #: APRab04784**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IHC, ICC/IF, ELISA
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:5000-1:10000
<b>Molecular Weight</b>	15-17kDa

**Antigen Information**

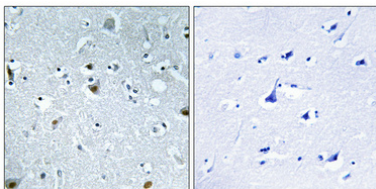
<b>Gene Name</b>	HMGN2
<b>Alternative Names</b>	HMGN2; HMG17; Non-histone chromosomal protein HMG-17; High mobility group nucleosome-binding domain-containing protein 2
<b>Gene ID</b>	3151.0
<b>SwissProt ID</b>	P05204
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HMG17 around the phosphorylation site of Ser29. AA range:1-50

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

## Research Area

## Image Data



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°, overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.