

Product Name: HMG-1 (Acetyl Lys12) Rabbit Polyclonal Antibody**Catalog #: APRab06217**

For research use only.

Summary

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

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
Molecular Weight	about 30kDa

Antigen Information

Gene Name	HMGB1
Alternative Names	HMGB1; HMG1; High mobility group protein B1; High mobility group protein 1; HMG-1
Gene ID	3146.0
SwissProt ID	P09429
Immunogen	Synthesized acetyl-peptide derived from the N-terminal region of human HMG-1 around the acetylation site of K12.

Background

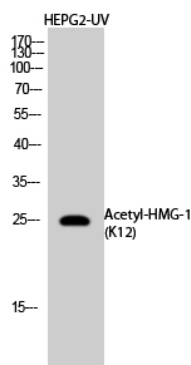
This gene encodes a protein that belongs to the High Mobility Group-box superfamily. The encoded non-histone, nuclear

DNA-binding protein regulates transcription, and is involved in organization of DNA. This protein plays a role in several cellular processes, including inflammation, cell differentiation and tumor cell migration. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2015],function: Binds preferentially single-stranded DNA and unwinds double stranded DNA.,similarity: Belongs to the HMGB family.,similarity: Contains 2 HMG box DNA-binding domains.,

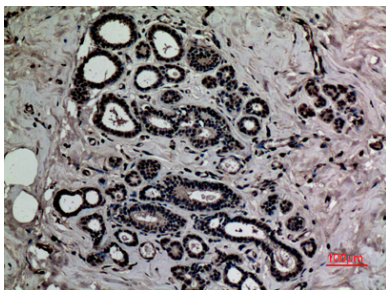
Research Area

Base excision repair;

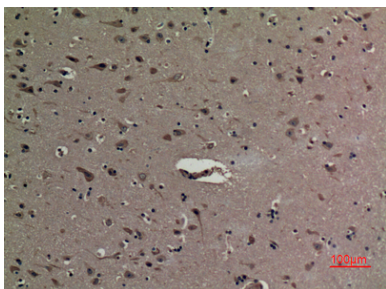
Image Data



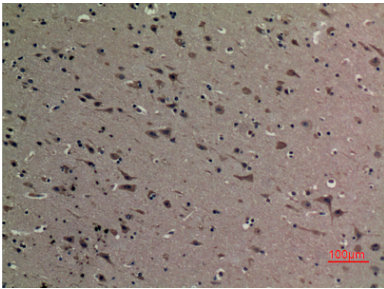
Western Blot analysis of HepG2 cells treated with UV using Acetyl-HMG-1 (K12) Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human breast, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human brain, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100