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

## Summary

| | |
|---|---|
| **Production Name** | HMG-1 (Acetyl Lys12) Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA |
| **Reactivity** | Human,Mouse,Rat |

## Performance

| | |
|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Acetyl Antibody |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

| | |
|---|---|
| **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.Synthesized acetyl-peptide derived from the N-terminal region of human HMG-1 around the acetylation site of K12. |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:2000, IHC-P 1:100-300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200 |
| **Molecular Weight** | about 30kDa |

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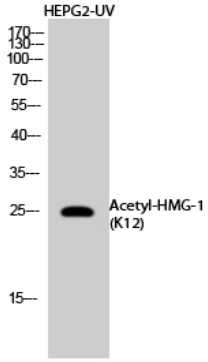
## Background

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.,

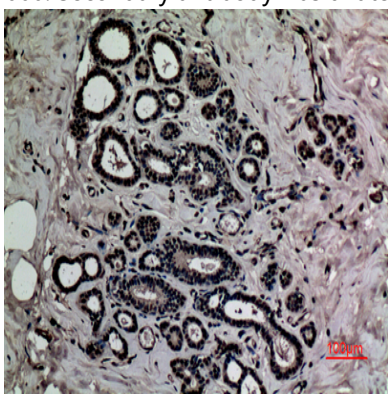
## Research Area

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

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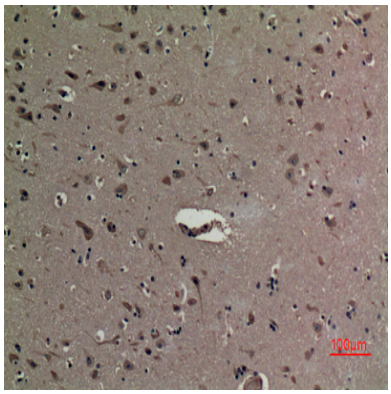
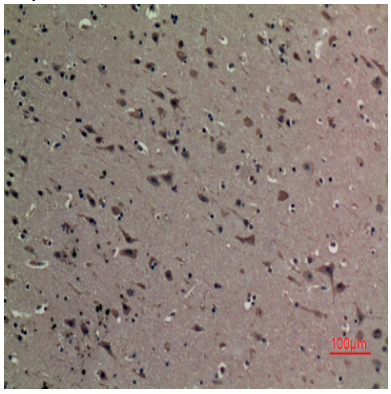



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100




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

## Note

For research use only.