

## Rabbit anti-Mouse, Rat HMGA1 Polyclonal Antibody | anti-HMGA1 antibody

HMGA1 Polyclonal Antibody

|                               |                       |                                 |                                                           |
|-------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA280971</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------|-----------------------------------------------------------|

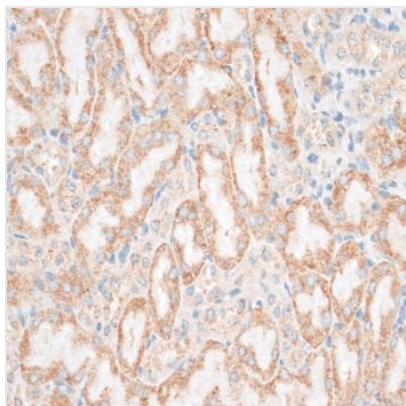
### PRODUCT SYNONYMS

HMGA1; Polyclonal Antibody; HMGA1 Polyclonal Antibody; HMG-R; HMGA1A; HMGIY; anti-HMGA1 antibody

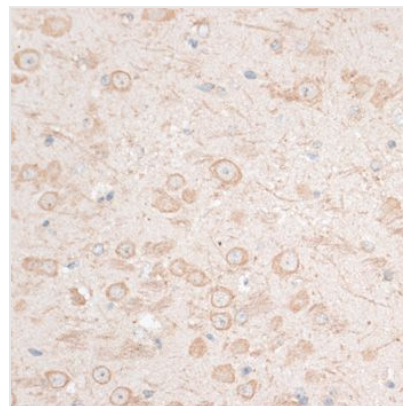
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                      |
| Reactivity                                      | Mouse, Rat                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                  |
| Isotype                                         | IgG                                                                                                         |
| Purity/Purification                             | Affinity Purification                                                                                       |
| Sequence                                        | MSESSSKSSQ PLASKQEKDG TEKRGGRPR KQPPVSPGTA LVGSQKEPSE VTPKRPRGR PKGSKNKGAA KTRKTTTTPG RKPRGRPKKL EKEEEEGISQ |
| Sequence Length                                 | 96                                                                                                          |
| Applicable Applications for anti-HMGA1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                               |
| Immunogen                                       | A synthetic peptide of human HMGA1                                                                          |
| Immunogen Species                               | Human                                                                                                       |
| Storage Buffer                                  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                           |
| Cellular Location                               | Chromosome, Nucleus                                                                                         |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze / thaw cycles.                                                          |

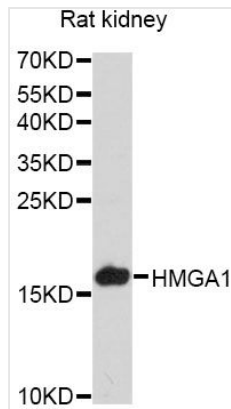
### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse kidney using HMGA1 antibody at dilution of 1:100 (40x lens).


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded mouse brain using HMGA1 antibody at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using HMGA1 antibody at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-HMGA1 antibody</b> | This gene encodes a chromatin-associated protein involved in the regulation of gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of AT-rich regions in double-stranded DNA. Multiple transcript variants encoding different isoforms have been found for this gene. Pseudogenes of this gene have been identified on multiple chromosomes. |
| <b>Product Categories/Family for anti-HMGA1 antibody</b>   | <a href="#">Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">977380206</a>                                                                         |
| <b>NCBI GeneID</b>                      | <a href="#">3159</a>                                                                              |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001306006.1</a>                                                                    |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001319077.1</a>                                                                    |
| <b>UniProt Accession #</b>              | <a href="#">P17096</a> ; <a href="#">P10910</a> ; <a href="#">Q5T6U9</a> ; <a href="#">Q9UKB0</a> |
| <b>Molecular Weight</b>                 | Calculated: 10kDa; 11kDa; 19kDa<br>Observed: 16kDa                                                |
| <b>NCBI Official Full Name</b>          | high mobility group protein HMG-I/HMG-Y isoform b                                                 |
| <b>NCBI Official Synonym Full Names</b> | high mobility group AT-hook 1                                                                     |
| <b>NCBI Official Symbol</b>             | HMGA1                                                                                             |
| <b>NCBI Official Synonym Symbols</b>    | HMG-R; HMG1Y; HMGA1A                                                                              |
| <b>NCBI Protein Information</b>         | high mobility group protein HMG-I/HMG-Y                                                           |
| <b>UniProt Protein Name</b>             | High mobility group protein HMG-I/HMG-Y                                                           |
| <b>UniProt Gene Name</b>                | <b>HMGA1</b>                                                                                      |
| <b>UniProt Synonym Gene Names</b>       | HMG1Y; HMG-I(Y); High mobility group protein A1                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.