

HMG4 Polyclonal Antibody | anti-HMG4 antibody

Anti-HMG4 Antibody

CATALOG # AAA46473	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

HMG4; Polyclonal Antibody; Anti-HMG4 Antibody; High mobility group protein B3; chromosomal protein; Nonhistone; High mobility group (nonhistone chromosomal) protein 4; High mobility group box 3; High mobility group protein 2a; High mobility group protein 4; High mobility group protein HMG4; HMG 4; HMG-2a; HMG-4; HMG2A; HMGB 3; HMGB3; HMGB3_HUMAN; MGC90319; Non histone chromosomal protein; Nonhistone chromosomal protein HMG4; high mobility group box 3; anti-HMG4 antibody

PRODUCT SPECIFICATIONS

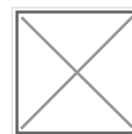
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	200
Applicable Applications for anti-HMG4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human HMG4 (62-95aa EMAKADKVRDREMKDYGPAKGKKKKDPNAPKR), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



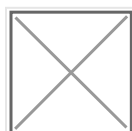
IHC (Immunohistochemistry)

Anti- HMG4 Picoband antibody, AAA46473, IHC(P)IHC(P): Human Placenta Tissue



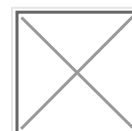
IHC (Immunohistochemistry)

Anti- HMG4 Picoband antibody, AAA46473, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)

Anti- HMG4 Picoband antibody, AAA46473, IHC(P)IHC(P): Mouse Intestine Tissue



WB (Western Blot)

Anti- HMG4 Picoband antibody, AAA46473, Western blotting

All lanes: Anti HMG4 (AAA46473) at 0.5ug/ml

Lane 1: Mouse Liver Tissue Lysate at 50ug

Lane 2: Mouse Kidney Tissue Lysate at 50ug

Lane 3: Mouse Testis Tissue Lysate at 50ug

Lane 4: 22RV1 Whole Cell Lysate at 40ug

Lane 5: MCF-7 Whole Cell Lysate at 40ug

Lane 6: NIH3T3 Whole Cell Lysate at 40ug

Predicted bind size: 23KD

Observed bind size: 23KD

ADDITIONAL INFORMATION

Related Product Information for anti-HMG4 antibody	Description: Rabbit IgG polyclonal antibody for High mobility group protein B3(HMGB3) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: High-mobility group protein B, also known as HMG4, is a protein that in humans is encoded by the HMGB3 gene. This gene encodes a member of a family of proteins containing one or more high mobility group DNA-binding motifs. The encoded protein plays an important role in maintaining stem cell populations, and may be aberrantly expressed in tumor cells. A mutation in this gene was associated with microphthalmia, syndromic 13. There are numerous pseudogenes of this gene on multiple chromosomes. Alternative splicing results in multiple transcript variants.
References	1. "Entrez Gene: HMGB3 high-mobility group box 3". 2. Davis DL, Burch JB (1992). "Isolation of a chicken HMG2 cDNA clone and evidence for an HMG2-specific 3'-untranslated region.". Gene 113 (2): 251-6. 3. Vaccari T, Beltrame M, Ferrari S, Bianchi ME (Aug 1998). "Hmg4, a new member of the Hmg1/2 gene family".Genomics 49 (2): 247-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	669033279
NCBI GeneID	3149
NCBI Accession #	NP_001288157.1
NCBI GenBank Nucleotide #	NM_001301228.1
UniProt Accession #	O15347; O95556; Q6NS40
Molecular Weight	22,980 Da
NCBI Official Full Name	high mobility group protein B3 isoform a
NCBI Official Synonym Full Names	high mobility group box 3
NCBI Official Symbol	HMGB3
NCBI Official Synonym Symbols	HMG4; HMG-4; HMG2A; HMG-2a
NCBI Protein Information	high mobility group protein B3
UniProt Protein Name	High mobility group protein B3
UniProt Gene Name	HMGB3
UniProt Synonym Gene Names	HMG2A; HMG4; HMG-2a; HMG-4
UniProt Entry Name	HMGB3_HUMAN

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.