

Mouse HMG4 Monoclonal Antibody | anti-HMGB3 antibody

Anti-HMG4 Antibody (Monoclonal, 8H9)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125505	Mouse	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

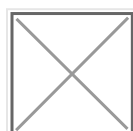
PRODUCT SYNONYMS

HMG4; Monoclonal Antibody; Anti-HMG4 Antibody (Monoclonal; 8H9); chromosomal protein; Nonhistone; HMG4 antibody; High mobility group (nonhistone chromosomal) protein 4 antibody; High mobility group box 3 antibody; High mobility group protein 2a antibody; High mobility group protein 4 antibody; High mobility group protein B3 antibody; High mobility group protein HMG4 antibody; HMG 4 antibody; HMG-2a antibody; HMG-4 antibody; HMG2A antibody; HMGB 3 antibody; HMGB3 antibody; HMGB3_HUMAN antibody; MGC90319 antibody; Non histone chromosomal protein antibody; Nonhistone chromosomal protein HMG4 antibody; anti-HMGB3 antibody

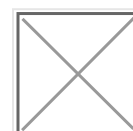
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	8H9
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	200
Applicable Applications for anti-HMGB3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), 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.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

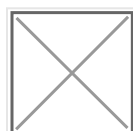
IMAGES



WB (Western Blot)



WB (Western Blot)



IF (Immunofluorescence)

ADDITIONAL INFORMATION

Related Product Information for anti-HMGB3 antibody	<p>Description: Mouse IgG monoclonal antibody for HMG4 detection. Tested with WB, ICC/IF, FCM in Human; Mouse; Rat.</p> <p>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.</p>
References	<p>1. "Entrez Gene: HMGB3 high-mobility group box 3".</p> <p>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.</p> <p>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.</p>

NCBI AND UNIPROT INFORMATION

NCBI GI #	85701353
NCBI GeneID	3149
UniProt Accession #	O15347
NCBI Official Full Name	High mobility group protein B3
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.