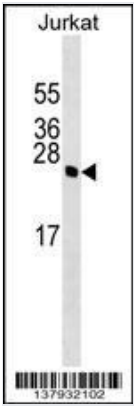
HMGB4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HMGB4, Polyclonal Antibody
Full Product Name	HMGB4, ID (HMGB4, High mobility group protein B4) (Biotin)
Product Gene Name	anti-HMGB4 antibody
Product Synonym Names	HMGB4; High mobility group protein B4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	186
3D Structure	ModBase 3D Structure for Q8WW32
Immunogen	HMGB4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-73 amino acids from the Central region of human HMGB4.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-HMGB4 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-HMGB4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-HMGB4 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-HMGB4 antibody	High Mobility Group (HMG) proteins, a group of chromosomal proteins common to all eukaryotes, bind DNA in a non-sequence-specific fashion to promote chromatin function and gene regulation, helping with transcription, replication, recombination, and DNA repair. HMGB4 is HMG2-like, isoform 2, high-mobility group box 4. This gene can be found on Chromosome 1. HMGB4 contains two HMG-box regions, and is found in a variety of eukaryotic chromosomal proteins. HMGB proteins are phosphorylated to various extents. The existence of differentially modified forms increases the number of distinct HMGB protein variants in plant chromatin that may be adapted to certain functions.
Other Notes	Small volumes of anti-HMGB4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HMGB4 purchase	MBS6307288 is an antibody targeting HMGB4. Also known as HMGB4, ID (HMGB4, High mobility group protein B4) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-HMGB4 antibody
HMGB4 Antibody (Center) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the HMGB4 antibody detected the HMGB4 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HMGB4. It may not necessarily be applicable to this product.

NCBI GI #	387912835
NCBI GeneID	127540
NCBI Accession #	Q8WW32.2
UniProt Primary Accession #	Q8WW32
UniProt Secondary Accession #	Q0QWA4; B2R4X7
UniProt Related Accession #	Q8WW32
NCBI Official Full Name	High mobility group protein B4
NCBI Official Synonym Full Names	high mobility group box 4
NCBI Official Symbol	HMGB4
NCBI Official Synonym Symbols	dJ1007G16.5
UniProt Protein Name	High mobility group protein B4
Protein Family	High mobility group B protein
UniProt Gene Name	HMGB4
UniProt Entry Name	HMGB4_HUMAN
NCBI Protein Information	high mobility group protein B4; HMG2 like
UniProt Comments for HMGB4	HMGB4: Belongs to the HMGB family. Chromosomal Location of Human Ortholog: 1p35.1 Cellular Component: chromosome; nucleus Molecular Function: DNA binding; chromatin binding Biological Process: chromatin remodeling; regulation of transcription, DNA-dependent
Research Articles on HMGB4	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)

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