

HMGB4 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP17732c

Product Information

Application WB, E **Primary Accession** Q8WW32 Other Accession Q32L34 Reactivity Human **Predicted** Bovine Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB37932 **Calculated MW** 22490 **Antigen Region** 45-73

Additional Information

Gene ID 127540

Other Names High mobility group protein B4, HMGB4

Target/Specificity This HMGB4 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 45-73 amino acids from the Central

region of human HMGB4.

Dilution WB~~1:1000 E~~Use at an assay dependent concentration.

Format Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

Storage Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions HMGB4 Antibody (Center) is for research use only and not for use in

diagnostic or therapeutic procedures.

Protein Information

Name HMGB4

Cellular Location Nucleus {ECO:0000250 | UniProtKB:Q6P8W9}. Chromosome

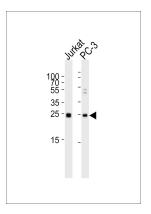
{ECO:0000250|UniProtKB:Q6P8W9}. Note=Interacts specifically with the sex

chromosomes. {ECO:0000250 | UniProtKB:Q6P8W9}

Background

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.

Images



Western blot analysis of lysates from Jurkat, PC-3 cell line (from left to right), using HMGB4 Antibody (Center)(Cat. #AP17732c). AP17732c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.