

For Research Use Only

# HMG20B Monoclonal antibody, PBS Only



Catalog Number: 67354-1-PBS

## Basic Information

<b>Catalog Number:</b> 67354-1-PBS	<b>GenBank Accession Number:</b> BC002552	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10362	<b>CloneNo.:</b> 4C2A9
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9POW2	
<b>Isotype:</b> IgG1	<b>Full Name:</b> high-mobility group 20B	
<b>Immunogen Catalog Number:</b> AG6103	<b>Calculated MW:</b> 36 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## Background Information

CoREST (corepressor of repressor element-1-silencing transcription factor) is a chromatin-modifying complex that was first identified as a regulator of neuronal gene expression, having an essential role in neuronal differentiation [PMID:10449787]. The CoREST complex is recruited by REST (RE1-silencing transcription factor) that recognizes the 21-nucleotide RE-1 sequence in the promoter of more than 1,700 different target genes in human and mouse [PMID:15240883]. HMGB20B is one component of the CoREST complex, which mediates chromatin remodeling and repression of specific genes involved in neuronal differentiation through modulation of chromatin structure [PMID:19997604].

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

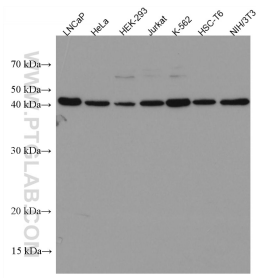
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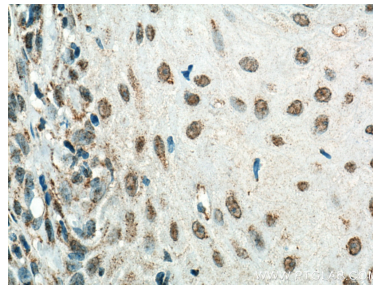
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67354-1-Ig (HMG20B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67354-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 67354-1-Ig (HMG20B antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67354-1-PBS in a different storage buffer formulation.