

HMG20B Monoclonal antibody, PBS Only

Catalog Number: 67354-1-PBS

Basic Information

Catalog Number: 67354-1-PBS	GenBank Accession Number: BC002552	Purification Method: Protein G purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10362	CloneNo.: 4C2A9
Source: Mouse	UNIPROT ID: Q9POW2	
Isotype: IgG1	Full Name: high-mobility group 20B	
Immunogen Catalog Number: AG6103	Calculated MW: 36 kDa	
	Observed MW: 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 a 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). The predicted molecular weight of the HMG20B protein is 36 kDa, while the molecular weight detected in the literature is approximately 40 kDa by SDS-PAGE (PMID: 36171271).

Storage

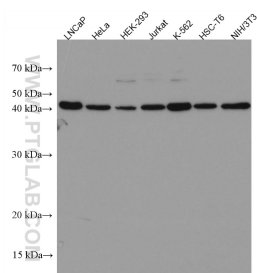
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

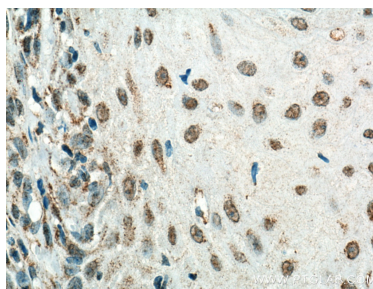
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.