

For Research Use Only

HMX3 Polyclonal antibody, PBS Only

Catalog Number: 34183-1-PBS



Basic Information

Catalog Number:

34183-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG41398

GenBank Accession Number:

NM_001105574

GeneID (NCBI):

340784

UNIPROT ID:

A6NHT5

Full Name:

H6 family homeobox 3

Calculated MW:

357aa, 38 kDa

Observed MW:

38 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

H6 family homeobox 3 (HMX3) is also named Homeobox protein H6 family member 3 and NKX-5.1. HMX3 is identified as a protein-coding gene, and diseases associated with HMX3 primarily include upper semicircular canal dehiscence and semicircular canal dehiscence syndrome (PMID: 22779713). In addition, as a transcription factor, HMX3 is involved in the regulation of nerve cell types, which is essential for the development of the inner ear and hypothalamus (PMID: 27151948, PMID: 15363417). HMX3 is lowly expressed in CRC, and HMX3 expression was negatively correlated with poor prognosis of CRC patients (PMID: 36204976).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

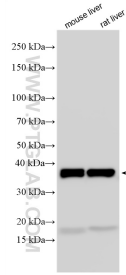
T: 4006900926

E: Proteintech-CN@ptglab.com

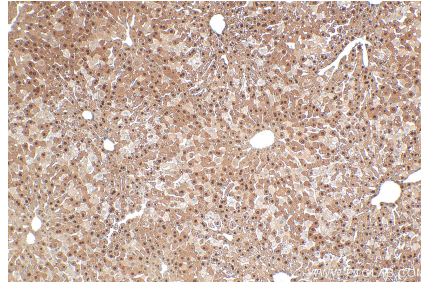
W: ptgcn.com

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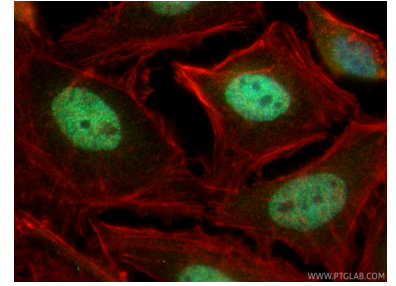
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 34183-1-AP (HMx3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 34183-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 34183-1-AP (HMx3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 34183-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HMx3 antibody (34183-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 34183-1-PBS in a different storage buffer formulation.