

For Research Use Only

# HMX3 Polyclonal antibody, PBS Only

Catalog Number: 34183-1-PBS



## Basic Information

**Catalog Number:**

34183-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS only, pH7.3

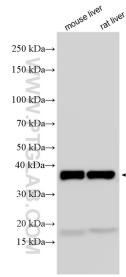
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

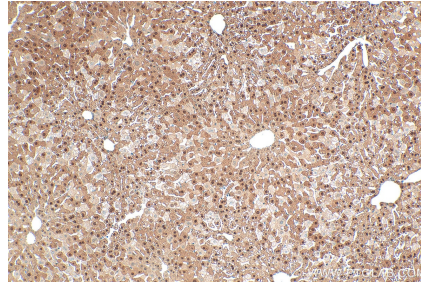
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

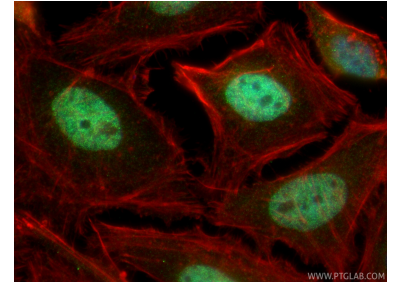
## Selected Validation Data



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.