

For Research Use Only

HMX3 Polyclonal antibody

Catalog Number: 34183-1-AP



Basic Information

Catalog Number: 34183-1-AP	GenBank Accession Number: NM_001105574	Purification Method: Antigen affinity Purification
Source: Rabbit	GeneID (NCBI): 340784	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	UNIPROT ID: A6NHT5	IHC: 1:200-1:800 IF/ICC: 1:300-1:1200
Immunogen Catalog Number: AG41398	Full Name: H6 family homeobox 3	
	Calculated MW: 357aa, 38 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : mouse liver tissue, rat liver tissue
Species Specificity: human, mouse, rat	IHC : mouse liver tissue, IF/ICC : HeLa cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

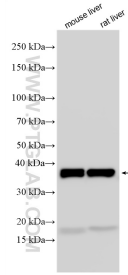
T: 4006900926

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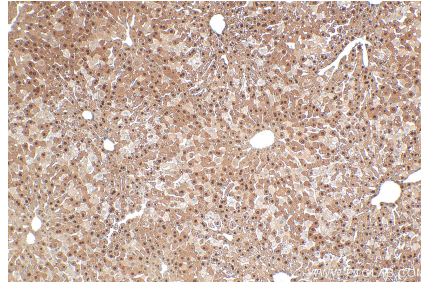
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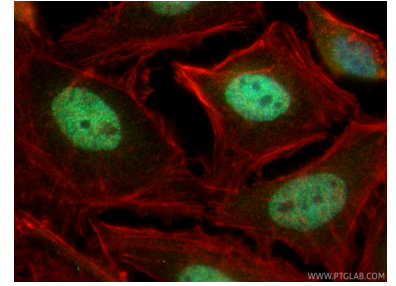
Selected Validation Data



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.



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).



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).