

For Research Use Only

PITX1 Recombinant monoclonal antibody

Catalog Number: 88143-1-RR



Basic Information

Catalog Number: 88143-1-RR	GenBank Accession Number: BC009412	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5307	CloneNo.: 260497B7
Source: Rabbit	UNIPROT ID: P78337	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: paired-like homeodomain 1	
Immunogen Catalog Number: AG1303	Calculated MW: 34 kDa	
	Observed MW: 38-40 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, A431 cells
Species Specificity: human	

Background Information

PITX1 (Paired-like homeodomain 1) is a bicoid-related homeobox transcription factor that plays critical roles in embryonic development, particularly in patterning the hindlimb and regulating pituitary organogenesis. It is also known as "Backfoot" due to its involvement in establishing left-right asymmetry during limb formation. Beyond development, PITX1 has been implicated in various cancers, where it can function as either a tumor suppressor or an oncogene depending on the cellular context, and its dysregulation is associated with tumor progression and metastasis.

Storage

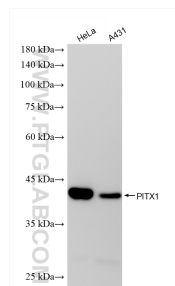
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88143-1-RR (PITX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.