

For Research Use Only

PITX2 Monoclonal antibody

Catalog Number: 67201-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number:

67201-1-Ig

Size:

150ul, Concentration: 1700 ug/ml by Nanodrop and 800 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27924

GenBank Accession Number:

BC013998

GeneID (NCBI):

5308

UNIPROT ID:

Q99697

Full Name:

paired-like homeodomain 2

Calculated MW:

36 kDa

Observed MW:

30 kDa

Purification Method:

Protein A purification

CloneNo.:

1E3B1

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

Positive Controls:

WB : rat brain tissue, HEK-293 cells, mouse brain tissue, rat cerebellum tissue, mouse cerebellum tissue

Background Information

PITX2 belongs to the bicoid class of homeodomain transcription factors, which play essential roles in embryonic development. Various PITX2 isoforms are involved in a wide variety of developmental programs, including left-right signaling. It controls cell proliferation in a tissue-specific manner and is involved in morphogenesis. During embryonic development, PITX2 is involved in the expansion of muscle progenitors. In addition, it may play a role in the proper localization of asymmetric organs such as the heart and stomach. PITX2 can be bound by some other proteins, and are part of a much larger atrial transcriptional complex. This antibody specifically recognizes isoform PTX2C.

Notable Publications

Author	Pubmed ID	Journal	Application
Heng Zhang	37950730	Aging (Albany NY)	WB
Yi Yang	35836351	Oral Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

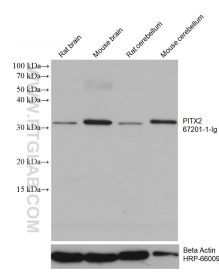
For technical support and original validation data for this product please contact:

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

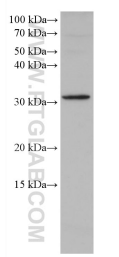
E: proteintech@ptglab.com
W: ptglab.com

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 67201-1-Ig (PITX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 67201-1-Ig (PITX2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.