

PITX1 Recombinant monoclonal antibody

Catalog Number: 88143-1-RR

Basic Information

Catalog Number:

88143-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1303

GenBank Accession Number:

BC009412

GeneID (NCBI):

5307

UNIPROT ID:

P78337

Full Name:

paired-like homeodomain 1

Calculated MW:

34 kDa

Observed MW:

38-40 kDa

Purification Method:

Protein A purification

CloneNo.:

260497B7

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, A431 cells

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:

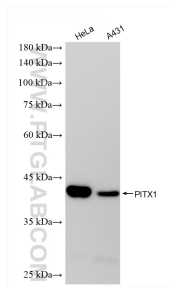
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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.