

A14210

Leader in Biomolecular Solutions for Life Science



PIM1 Rabbit pAb

Catalog No.: A14210

Basic Information

Observed MW

35kDa

Calculated MW

36kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and PIM subfamily. This gene is expressed primarily in B-lymphoid and myeloid cell lines, and is overexpressed in hematopoietic malignancies and in prostate cancer. It plays a role in signal transduction in blood cells, contributing to both cell proliferation and survival, and thus provides a selective advantage in tumorigenesis. Both the human and orthologous mouse genes have been reported to encode two isoforms (with preferential cellular localization) resulting from the use of alternative in-frame translation initiation codons, the upstream non-AUG (CUG) and downstream AUG codons (PMIDs:16186805, 1825810).

Recommended Dilutions

WB 1:1000 - 1:5000

IHC-P 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

5292

Swiss Prot

P11309

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

PIM; PIM1

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

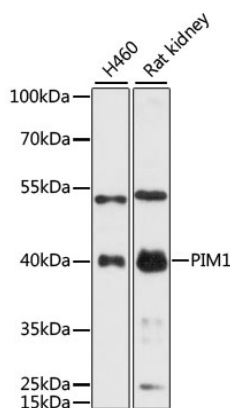
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using PIM1 Rabbit pAb (A14210) at 1:3000 dilution.

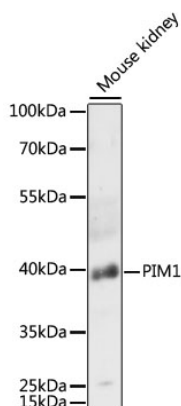
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of lysates from mouse kidney, using PIM1 Rabbit pAb (A14210) at 1:3000 dilution.

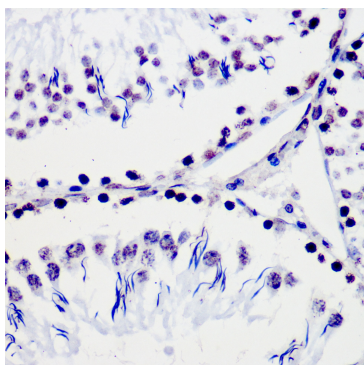
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

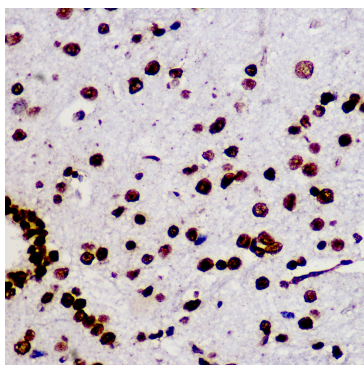
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using PIM1 Rabbit pAb (A14210) at a dilution of 1:100 (40x lens). Microwave antigen retrieval was performed with 0.01 M PBS buffer (pH 7.2±0.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse spinal cord tissue using PIM1 Rabbit pAb (A14210) at a dilution of 1:100 (40x lens). Microwave antigen retrieval was performed with 0.01 M PBS buffer (pH 7.2±0.2) prior to IHC staining.