

Datasheet for ABIN392440  
**anti-PIM1 antibody (C-Term)**[Go to Product page](#)

2 Images

6 Publications

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 400 µL   |
| Target:              | PIM1   |
| Binding Specificity: | AA 374-404, C-Term   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This PIM1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | This PIM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 374-404 amino acids from the C-terminal region of human PIM1. |
| Clone:                | RB1285-RB1286  |
| Isotype:              | Ig Fraction  |
| Predicted Reactivity: | B  |
| Purification:         | This antibody is purified through a protein G column, followed by dialysis against PBS.  |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | PIM1                                   |
| Alternative Name: | PIM1 ( <a href="#">PIM1 Products</a> ) |

## Target Details

Background: PIM1, which belongs to the Serine/Threonine protein kinase family, is thought to play a role in signal transduction in blood cells. The protooncogene PIM1 encodes a protein kinase upregulated in prostate cancer. It may affect the structure or silencing of chromatin by phosphorylating HP1 gamma/CBX3. PIM1 is expressed primarily in cells of the hematopoietic and germ line lineages.

Molecular Weight: 35686

Gene ID: 5292

NCBI Accession: [NP\\_001230115](#), [NP\\_002639](#)

UniProt: [P11309](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

## Publications

Product cited in: Heydasch, Kessler, Warnke, Eschrich, Scholz, Bigl: "Functional diversity of PFKFB3 splice variants in glioblastomas." in: **PloS one**, Vol. 16, Issue 7, pp. e0241092, (2021) ([PubMed](#)).

Lee, Lee, Yun, Jang, Kang, Kim, Choi, Park: "Silver nanoparticles affect glucose metabolism in hepatoma cells through production of reactive oxygen species." in: **International journal of nanomedicine**, Vol. 11, pp. 55-68, (2016) ([PubMed](#)).

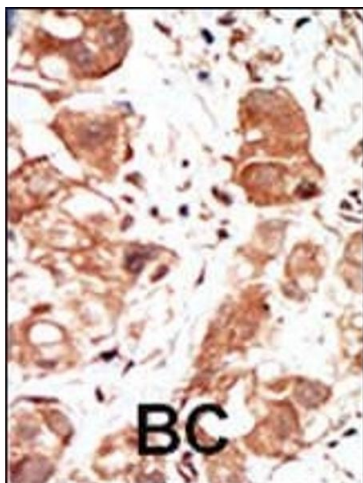
Reddy, Fernandes, Deshpande, Weisberg, Inguilizian, Abdel-Wahab, Kung, Levine, Griffin, Sattler: "The JAK2V617F oncogene requires expression of inducible phosphofructokinase/fructose-bisphosphatase 3 for cell growth and increased metabolic activity." in: **Leukemia**, Vol. 26, Issue 3, pp. 481-9, (2012) ([PubMed](#)).

Ando, Uehara, Kogure, Asano, Nakajima, Abe, Kawauchi, Tanaka: "Interleukin 6 enhances glycolysis through expression of the glycolytic enzymes hexokinase 2 and 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3." in: **Journal of Nippon Medical School = Nippon Ika Daigaku zasshi**, Vol. 77, Issue 2, pp. 97-105, (2010) ([PubMed](#)).

Yamasaki, Hayashi, Okamoto, Osanai, Lee: "Insulin-independent promotion of chemically induced hepatocellular tumor development in genetically diabetic mice." in: **Cancer science**, Vol. 101, Issue 1, pp. 65-72, (2010) ([PubMed](#)).

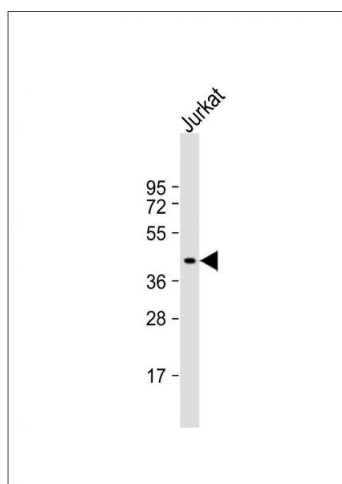
There are more publications referencing this product on: [Product page](#)

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



### Western Blotting

**Image 2.** Anti-PIM1 Antibody at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.