

## Product datasheet for **TA337682**

### PIM1 Rabbit Polyclonal Antibody

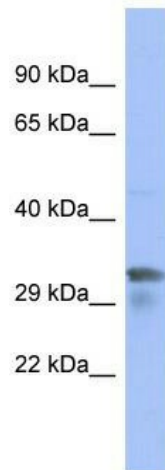
#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PIM1 antibody: synthetic peptide directed towards the N terminal of human PIM1. Synthetic peptide located within the following region: MLLSKINSLAHLRAAPCNDLHATKLAPGKEKEPLESQYQVGPLLGGGGF
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	Pim-1 proto-oncogene, serine/threonine kinase
Database Link:	<a href="#">NP_002639</a> <a href="#">Entrez Gene 18712 Mouse</a> <a href="#">Entrez Gene 5292 Human</a> <a href="#">P11309</a>



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- 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). [provided by RefSeq, Aug 2011]
- Synonyms:** PIM
- Note:** Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Pig: 93%; Guinea pig: 93%
- Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase
- Protein Pathways:** Acute myeloid leukemia, Jak-STAT signaling pathway

**Product images:**

WB Suggested Anti-PIM1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: 293T cell lysate PIM1 is supported by BioGPS gene expression data to be expressed in HEK293T