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Product datasheet for TA501063AM

PIM2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI5D5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI5D5
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100, IP 2ug/500ul
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PIM2 (NP_006866) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kDa
Gene Name:	Pim-2 proto-oncogene, serine/threonine kinase
Database Link:	NP_006866 Entrez Gene 18715 MouseEntrez Gene 317366 RatEntrez Gene 11040 Human Q9P1W9
Background:	This gene encodes a protooncogene that acts as a serine/threonine protein kinase. Studies determined the encoded protein functions to prevent apoptosis and to promote cell survival.
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Acute myeloid leukemia

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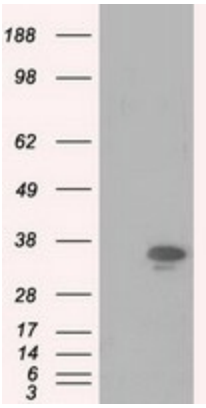
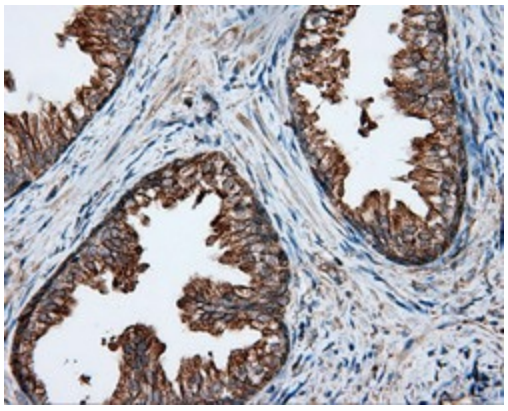
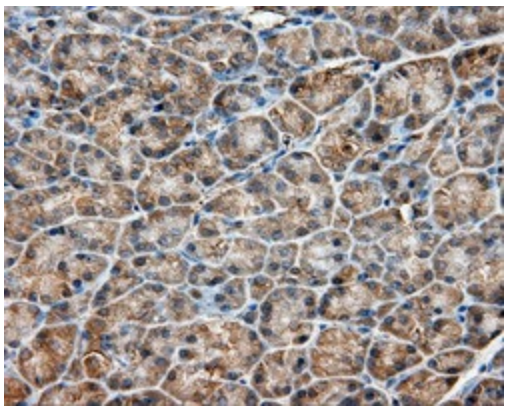
Product images:



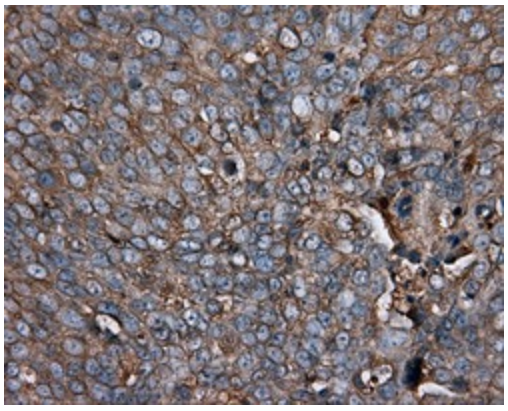
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PIM2 ([RC201933], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PIM2. Positive lysates [LY416355] (100ug) and [LC416355] (20ug) can be purchased separately from OriGene.



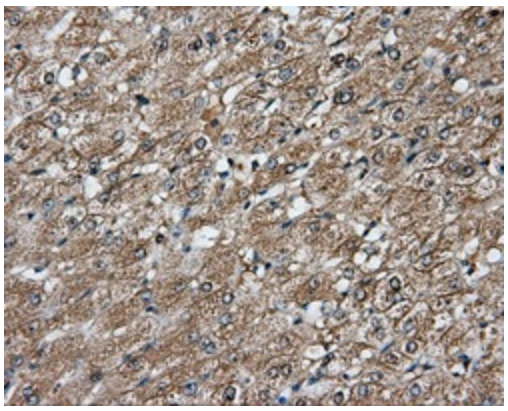
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PIM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501063])



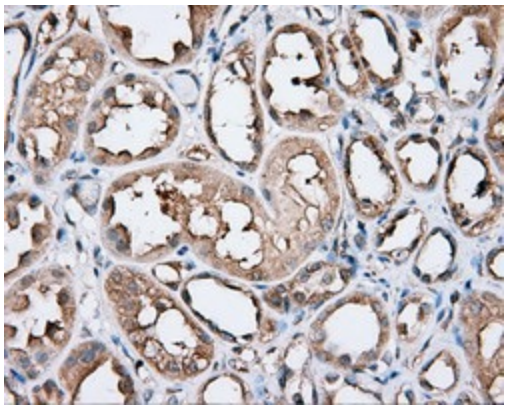
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PIM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501063])



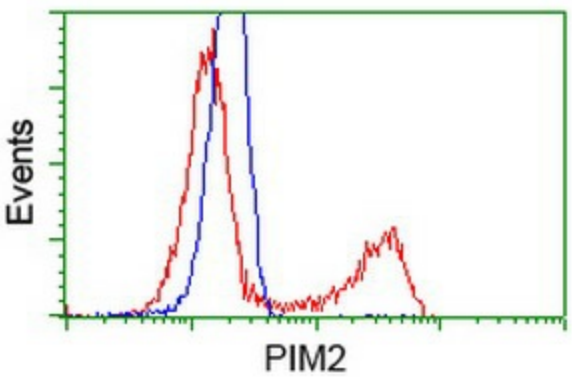
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-PIM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501063])



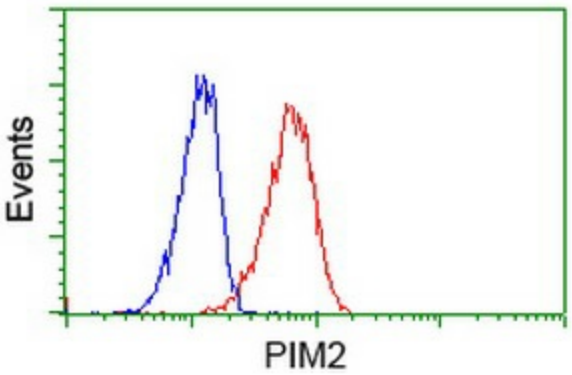
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-PIM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501063])



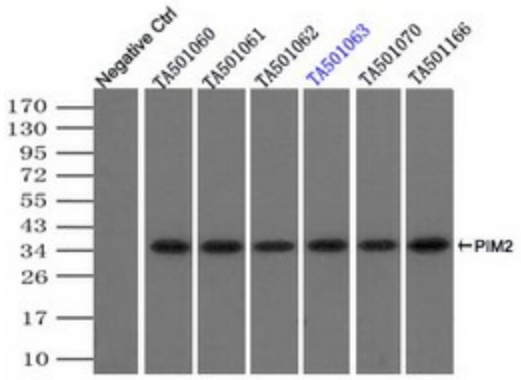
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PIM2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501063])



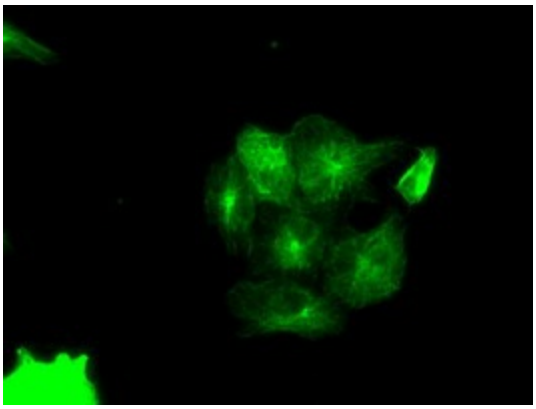
HEK293T cells transfected with either [RC201933] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PIM2 antibody ([TA501063]), and then analyzed by flow cytometry.



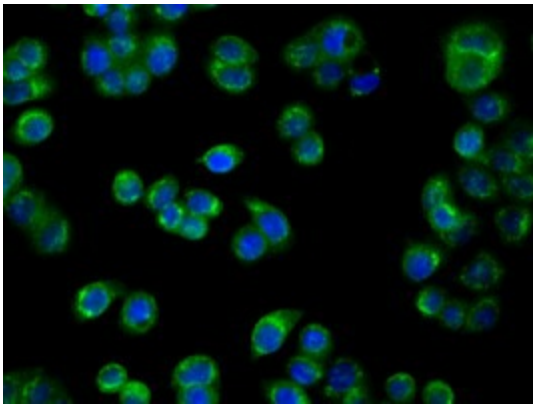
Flow cytometric Analysis of Jurkat cells, using anti-PIM2 antibody ([TA501063]), (Red), compared to a nonspecific negative control antibody, (Blue).



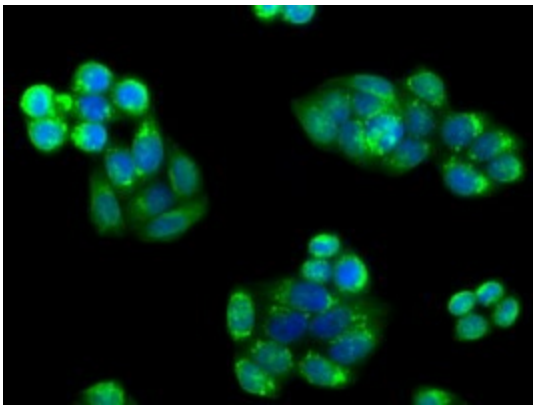
Immunoprecipitation (IP) of PIM2 by using TrueMab monoclonal anti-PIM2 antibodies (Negative control: IP without adding anti-PIM2 antibody.). For each experiment, 500ul of DDK tagged PIM2 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-PIM2 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



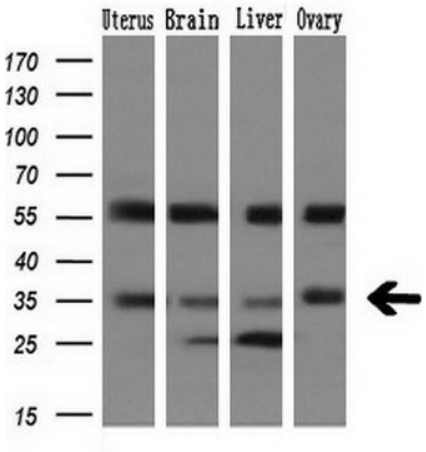
Anti-PIM2 mouse monoclonal antibody ([TA501063]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PIM2 ([RC201933]).



Immunofluorescent staining of HT29 cells using anti-PIM2 mouse monoclonal antibody ([TA501063]).



Immunofluorescent staining of HeLa cells using anti-PIM2 mouse monoclonal antibody ([TA501063]).



Western blot analysis of extracts (10ug) from 4 human tissue by using anti-PIM2 monoclonal antibody at 1:200 dilution.