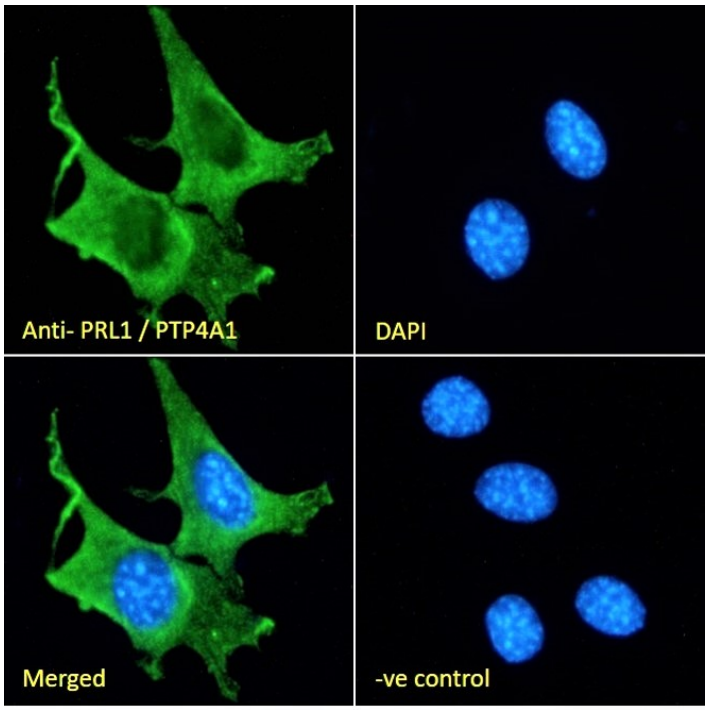
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GOAT ANTI-PRL1 / PTP4A1 ANTIBODY

SKU: EB06456



SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	protein tyrosine phosphatase type IVA protein 1|DKFZp779M0721|RP5-1148A21.2|Protein tyrosine phosphatase IVA1|protein tyrosine phosphatase type IVA, member 1|PTP(CAAX1)|PTPCAAX1|PRL-1|PRL1|HH72|PTP4A1
Usage Summary	Immunofluorescence: Strong expression of the protein seen in HeLa and NIH3T3 cells. Recommended concentration: 10µg/ml. Additional validation: This antibody has been successfully used in the following paper: Achiwa H et al. (2007) PMID: 17234774.
Accession ID	NP_003454.1
Blocking Peptide	EBP06456

Immunogen	Peptide with sequence CFKDSNGHRNN, from the C Terminus of the protein sequence according to NP_003454.1.
Peptide Sequence	CFKDSNGHRNN
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog
Reactive Species	Human, Mouse
Human Gene ID	7803
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png
ELISA Detection Limit	Antibody detection limit dilution 1:64000.
Western Blot	This antibody has been successfully used in Western Blot as descibed in the following papers, PMID: 18997816 and PMID: 36793871.
Application Type	Pep-ELISA, WB, IF

SELECTED REFERENCES

[{"pmid": 17234774, "intro": "**This antibody has been successfully used in the following paper:**", "title": "PRL-1 tyrosine phosphatase regulates c-Src levels, adherence, and invasion in human lung cancer cells.", "author": "Achiwa H, Lazo JS.", "journal": "Cancer Res. 2007 Jan 15;67(2):643-50."}, {"pmid": 36793871, "intro": "**This antibody has been successfully used in WB on Mouse:**", "title": "Hepatic PTP4A1 ameliorates high-fat diet-induced hepatosteatosis and hyperglycemia by the activation of the CREBH/FGF21 axis.", "author": "Byungtae Hwang, Min-Gi Kwon, Min Ji Cho, Nam-Kyung Lee, Jangwook Lee, Jeong Woong Lee, Kyoung-Jin Oh, Kwang-Hee Bae, Jung Hwan Hwang, Jeong-Ki Min, Jong-Gil Park", "journal": "Theranostics. 2023 Jan 22;13(3):1076-1090."}, {"pmid": 18997816, "intro": "**This antibody has been successfully used in WB on Human:**", "title": "New p53 target, phosphatase of regenerating liver 1 (PRL-1) downregulates p53.", "author": "Min SH, Kim DM, Heo YS, Kim YI, Kim HM, Kim J, Han YM, Kim IC, Yoo OJ.", "journal": "Oncogene. 2009 Jan 29;28(4):545-54."}]

DOCUMENTS

- Data Sheet

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GALLERY IMAGES

