

PPP1R13L polyclonal antibody

Catalog # PAB10243

Size 100 ug

Applications

Western Blot (Cell lysate)

Western blot using PPP1R13L polyclonal antibody (Cat # PAB10243) shows detection of a band at ~100 KDa (arrowhead) corresponding to isoform 1 of PPP1R13L in MCF-7 whole cell lysates.

Preincubation with immunizing peptide blocks specific band staining (data not shown).

Approximately 35 ug of lysate was separated by 4-20% Tris Glycine SDS-PAGE.

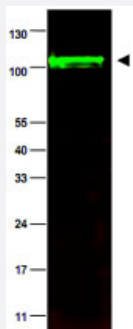
After blocking, the membrane was probed with the primary antibody diluted to 1:1,500 in 5% BLOTTO/PBS overnight at 4°C.

The membrane was washed and reacted with a 1:10,000 dilution of IRDye™800 conjugated Gt-a-Rabbit IgG [H&L] for 45 min at room temperature (800 nm channel, green).

Molecular weight estimation was made by comparison to prestained MW markers.

IRDye™800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR.

IRDye is a trademark of LI-COR, Inc.



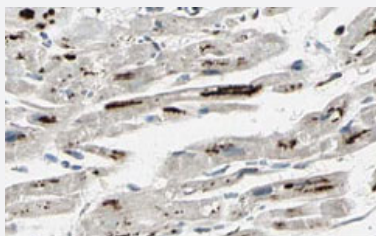
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of PPP1R13L polyclonal antibody (Cat # PAB10243) shows strong cytoplasmic and membranous staining of myocytes in human heart tissue.

Tissue was formalin-fixed and paraffin embedded.

Brown color indicates presence of protein, blue color shows cell nuclei.

Personal Communication, Kenneth Wester, www.proteinatlas.org, Uppsala, Sweden.



Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPP1R13L.
Immunogen	A synthetic peptide corresponding to amino acids 780-797 of human PPP1R13L.
Host	Rabbit
Reactivity	Bovine, Dog, Human, Mouse
Specificity	This affinity-purified antibody is directed against the human iASPP protein. Expect reactivity against both isoform 1 and isoform 2.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:40000-1:160000) Western Blot (1:1000-1:5000) Immunohistochemistry (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPP1R13L

Entrez GeneID [10848](#)

Protein Accession# [NP_006654;Q8WUF5](#)

Gene Name PPP1R13L

Gene Alias IASPP, NKIP1, RAI

Gene Description protein phosphatase 1, regulatory (inhibitor) subunit 13 like

Omim ID [607463](#)

Gene Ontology [Hyperlink](#)

Gene Summary IASPP is one of the most evolutionarily conserved inhibitors of p53 (TP53; MIM 191170), whereas ASPP1 (MIM 606455) and ASPP2 (MIM 602143) are activators of p53.[supplied by OMIM]

Other Designations NFkB interacting protein 1|RelA-associated inhibitor|inhibitor of apoptosis stimulating protein of p53|protein phosphatase 1, regulatory subunit 13 like

Publication Reference

- [In vitro effect of iASPP on cell growth of oral tongue squamous cell carcinoma.](#)

Chen Y, Yan W, He S, Chen J, Chen D, Zhang Z, Liu Z, Ding X, Wang A.

Chinese Journal of Cancer Research 2014 Aug; 26(4):382.

Application: IHC-P, WB-Tr, Human, Oral tongue squamous cell carcinoma, Oral premalignant dysplasia, Normal tongue biopsies, UM1, SCC25 cells

- [ASPP--Apoptotic specific regulator of p53.](#)

Liu ZJ, Lu X, Zhong S.

Biochimica et Biophysica Acta 2005 Sep; 1756(1):77.

- [Polymorphisms in RAI and in genes of nucleotide and base excision repair are not associated with risk of testicular cancer.](#)

Laska MJ, Nexø BA, Vistisen K, Poulsen HE, Loft S, Vogel U.

Cancer Letters 2005 Jul; 225(2):245.

- [The expression of iASPP in acute leukemias.](#)

Zhang X, Wang M, Zhou C, Chen S, Wang J.

Leukemia Research 2005 Feb; 29(2):179.

- [The N-terminus of a novel isoform of human iASPP is required for its cytoplasmic localization.](#)

Slee EA, Gillotin S, Bergamaschi D, Royer C, Llanos S, Ali S, Jin B, Trigiante G, Lu X.

Oncogene 2004 Dec; 23(56):9007.

Application: IP, WB-Tr, Human, H1299, MCF-7, Saos-2, U-2 OS cells

- [RelA-associated inhibitor blocks transcription of human immunodeficiency virus type 1 by inhibiting NF-kappaB and Sp1 actions.](#)

Takada N, Sanda T, Okamoto H, Yang JP, Asamitsu K, Sarol L, Kimura G, Uranishi H, Tetsuka T, Okamoto T.

Journal of Virology 2002 Aug; 76(16):8019.

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