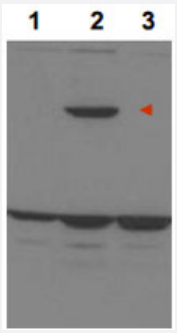
PPP1R13B polyclonal antibody

Catalog # PAB9974 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot using PPP1R13B polyclonal antibody (Cat # PAB9974) to detect over-expressed PPP1R13B in MCF-7 cells (Lane 2, arrowhead).
Lane 1 is a non-transfected control.
Lane 3 is MCF-7 cells over-expressing TP53BP2.
Cell extracts were electrophoresed and transferred to nitrocellulose.
The membrane was probed with the primary antibody at a 1 : 1,000 dilution.
The identity of the lower MW band at approximately 50 KDa is unknown.
Primary experimental data indicate that the unknown band intensifies in extracts from p53 siRNA knockdown cells.
Personal Communication, H. Yang, Univ. Oklahoma, Oklahoma City, OK.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PPP1R13B.
Immunogen	A synthetic peptide corresponding to internal region of human PPP1R13B.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:2500-1:10000) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_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 shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPP1R13B

Entrez GeneID	23368
Protein Accession#	NP_056131;Q96KQ4
Gene Name	PPP1R13B
Gene Alias	ASPP1, KIAA0771, p53BP2-like, p85
Gene Description	protein phosphatase 1, regulatory (inhibitor) subunit 13B
Omim ID	606455
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 in teracting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protei n-protein interactions. ASPP proteins are required for the induction of apoptosis by p53-family pr oteins. They promote DNA binding and transactivation of p53-family proteins on the promoters of proapoptotic genes. Expression of this gene is regulated by the E2F transcription factor. [provide d by RefSeq
Other Designations	apoptosis-stimulating protein of p53, 1

Publication Reference

- ASPP [corrected] and cancer.

  Trigiante G, Lu X.

  Nature Reviews. Cancer 2006 Mar; 6(3):217.

  Application: IP, WB-Tr, Human, HEK 293 cells

- ASPP--Apoptotic specific regulator of p53.

  Liu ZJ, Lu X, Zhong S.

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

  Application: WB, Human, Human mammalian cells

- The ASPP family: deciding between life and death after DNA damage.

  Slee EA, Lu X.

  Toxicology Letters 2003 Apr; 139(2-3):81.

  Application: WB-Tr, Human, Mammalian cells

Disease

- Melanoma
- Skin Neoplasms
- Tobacco Use Disorder