



## Anti-PPP1R13L (aa 780-797) polyclonal antibody (DPABH-05229)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	ASPP proteins (ASPP1, ASPP2 and iASPP) represent a new family of p53 binding proteins. ASPP1 and ASPP2 bind and enhance p53-mediated apoptosis. In contrast, the third member, iASPP, functionally inactivates p53. iASPP (also called protein phosphatase 1 regulatory (inhibitor) subunit 13 like protein, Inhibitor of ASPP protein, Protein iASPP, PPP1R13B-like protein and NFkB-interacting protein 1) plays a central role in regulation of apoptosis and transcription via its interaction with NF-kappa-B and p53/TP53 proteins. iASPP blocks transcription of HIV-1 virus by inhibiting the action of both NF-kappa-B and SP1. This protein also inhibits p53/TP53 function, possibly by preventing the association between p53/TP53 and ASPP1 or ASPP2, and therefore suppressing the subsequent activation of apoptosis. iASPP is predominantly a cytoplasmic protein (isoform 1) but can also be found in the nucleus (isoform 2). iASPP is highly expressed in heart, placenta and prostate and is weakly expressed in brain, liver, skeletal muscle, testis and peripheral blood leukocyte. The N-terminal region of isoform 1 is required for cytoplasmic localization. Defects in iASPP may be a cause of certain breast cancers and the protein is overexpressed in many patients suffering from breast carcinomas and expressing a wild-type p53/TP53 protein.
<b>Immunogen</b>	Synthetic peptide: REGESVTVLRRDGPEETD, corresponding to amino acids 780-797 of Human iASPP (NP_006654.2).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, IHC-P, ICC/IF

<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	pH: 7.20; Constituents: 0.27% Potassium phosphate, 0.88% Sodium chloride
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PPP1R13L protein phosphatase 1, regulatory subunit 14 like [ Homo sapiens ]</a>
<b>Official Symbol</b>	PPP1R13L
<b>Synonyms</b>	PPP1R13L; protein phosphatase 1, regulatory subunit 13 like; RAI; RAI4; IASPP; NKIP1; relA-associated inhibitor; protein iASPP; PPP1R13B-like protein; retinoic acid induced 4; inhibitor of ASPP protein; NFkB interacting protein 1; NFkB-interacting protein 1; inhibitor of apoptosis stimulating protein of p53; protein phosphatase 1, regulatory (inhibitor) subunit 13 like;
<b>Entrez Gene ID</b>	<a href="#">10848</a>
<b>Protein Refseq</b>	<a href="#">NP_001135974.1</a>
<b>UniProt ID</b>	<a href="#">A0A024R0Q5</a>
<b>Pathway</b>	Integrated Pancreatic Cancer Pathway; p53 pathway;
<b>Function</b>	identical protein binding; protein binding; transcription corepressor activity; transcription factor binding