



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

Antigen Description	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.
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Immunogen	Synthetic peptide: REGESVTVLRRDGPEETD, corresponding to amino acids 780-797 of Human iASPP (NP_006654.2).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA, IHC-P, ICC/IF

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

GENE INFORMATION

Gene Name	PPP1R13L protein phosphatase 1, regulatory subunit 14 like [Homo sapiens]
Official Symbol	PPP1R13L
Synonyms	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;
Entrez Gene ID	10848
Protein Refseq	NP_001135974.1
UniProt ID	A0A024R0Q5
Pathway	Integrated Pancreatic Cancer Pathway; p53 pathway;
Function	identical protein binding; protein binding; transcription corepressor activity; transcription factor binding