

Product name:	ASPP1 Rabbit Polyclonal Antibody
Cat number:	ABN07229
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthetic peptide from human protein at AA range: 630-680
Reactivity:	Human,Rat,Mouse
Applications:	IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. ASPP proteins are required for the induction of apoptosis by p53-family proteins. 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. [provided by RefSeq, Jul 2008],disease:Defects in PPP1R13B may be a cause of breast cancers. It is overexpressed in many patients suffering from breast carcinomas and expressing a wild-type TP53 protein.,domain:The ankyrin repeats and the SH3 domain are required for specific interactions with TP53.,function:Regulator that plays a central role in regulation of apoptosis via its interaction with p53/TP53. Regulates TP53 by enhancing the DNA binding and transactivation function of TP53 on the promoters of proapoptotic genes in vivo.,miscellaneous:In contrast to its official gene name, it is not a regulatory subunit of protein phosphatase 1. This name was given due to its similarity with a protein that binds to protein phosphatase 1.,similarity:Belongs to the ASPP family.,similarity:Contains 1 SH3 domain.,similarity:Contains 2 ANK repeats.,subcellular location:Predominantly cytoplasmic. Some fraction is nuclear.,subunit:Interacts with TP53.,