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Datasheet for ABIN233830 anti-PPP1R13B antibody (Internal Region)





Overview

Quantity:	100 µg
Target:	PPP1R13B
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPP1R13B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an sequence of human ASPP1.
Isotype:	IgG
Target Details	
Target:	PPP1R13B
Alternative Name:	ASPP1 (PPP1R13B Products)

Background:	ASPP (ankyrin-repeat-, SH3-domain- proline-rich-region protein) proteins (ASPP1, ASPP2 and
	iASPP) represent a new family of p53 binding proteins. ASPP1 and ASPP2 bind and enhance
	p53-mediated apoptosis. In contrast, iASPP functionally inactivates p53. ASPPs may also
	regulate p63- and p73-mediated apoptosis. Both ASPP1 and 2 directly interact with p53 and

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Target Details

	specifically enhance the apoptotic function of p53 by stimulating its DNA binding and
	transactivation function on promoters of pro-apoptotic genes, such as Bax and PIG-3. Not all
	cell cycle arrest genes are affected, such as p21. Interestingly, expression of ASPP is frequently
	down-regulated in human breast carcinomas expressing wild-type p53 but not mutant p53.
	Therefore, ASPP might regulate the tumor suppression function of p53 in vivo.
	Synonyms: p53BP2 like antibody, p85 antibody, PPP1R13B antibody
Gene ID:	23368, 121114287
UniProt:	Q62415
Pathways:	p53 Signaling
Application Dataila	
Application Details	
Application Notes:	This affinity purified antibody has been tested for use in ELISA and western blotting. Specific
	conditions for reactivity should be optimized by the end user. Expect a band approximately 120
	kDa in size corresponding to ASPP1 by western blotting in the appropriate cell lysate or extract.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C



Western Blotting

Image 1. Western blot using affinity purified anti-ASPP1 to detect over-expressed ASPP1 in MCF-7 cells (lane 2, arrowhead). Lane 1 is a non-transfected control. Lane 3 is MCF-7 cells over-expressing ASPP2. 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 50kDa 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.

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