For Research Use Only

SMYD3 Polyclonal antibody

Catalog Number:12011-1-AP

Featured Product

6 Publications

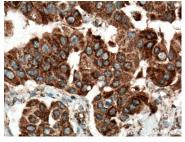


Basic Information	Catalog Number: 12011-1-AP	GenBank Accession Number: BC031010	Purification Method: Antigen affinity purification
	Size:	GeneID (NCBI):	Recommended Dilutions:
	150ul , Concentration: 300 µg/ml by	64754	WB 1:500-1:1000
	Nanodrop and 267 µg/ml by Bradford	Full Name:	IP 0.5-4.0 ug for 1.0-3.0 mg of total
	method using BSA as the standard;	SET and MYND domain containing 3	protein lysate IHC 1:50-1:500
	Source: Rabbit	Calculated MW:	IF 1:50-1:500
	lsotype:	428aa,49 kDa; 369aa,42 kDa Observed MW:	
	IgG	42-45 kDa	
	Immunogen Catalog Number: AG2624		
Applications	Tested Applications:	Positive Controls: WB : mouse brain tissue, COLO 320 cells, HeLa cells,	
	IF, IHC, IP, WB, ELISA		
	Cited Applications: IHC, WB	HepG2 cells	
	Species Specificity:	IP : COLO 320	
	human, mouse, rat	tissue	preast cancer tissue, human colon cance
	Cited Species: human, rat	IF : HEK-293 c	ells,
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		
Background Informatio	buffer pH 6.0 SMYD3,also name as ZMYND1 and ZN methyltransferase that plays an import specifically methylate histone H3 at several oncogenes (e.g., N-myc, CrkL, 20957523). It plays an important role SMYD3 is frequently overexpressed i potentiates Era activity in response to possible link between SMYD3 overex	IFN3A1, belongs to the histone-lysine ortant role in transcriptional regulation lysine 4 and activate the transcription Wht10b, RIZ and hTERT) and genes in in transcriptional activation as a men n different types of cancer cells. It func o ligand. SMYD3 as a new coactivator for spression and breast cancer. (PMID: 199 YD3 is a susceptibility factor for some	of a set of downstream genes, includir volved in the control of cell cycle.(PMIC nber of an RNA polymerase complex.
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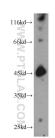
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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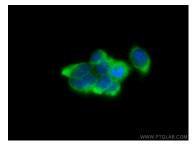
Selected Validation Data



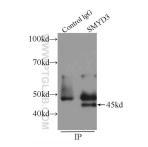
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 12011-1-AP (SMYD3 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 12011-1-AP (SMYD3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using SMYD3 antibody (12011-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-SMYD3 (IP:12011-1-AP, 4ug; Detection:12011-1-AP 1:500) with COLO 320 cells lysate 1280ug.