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ING2 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19411c

Product Information

Application	WB, E
Primary Accession	Q9H160
Other Accession	NP_001555.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40520
Calculated MW	32808
Antigen Region	112-141

Additional Information

Gene ID	3622
Other Names	Inhibitor of growth protein 2, Inhibitor of growth 1-like protein, ING1Lp, p32, p33ING2, ING2, ING1L
Target/Specificity	This ING2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 112-141 amino acids from the Central region of human ING2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ING2 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ING2
Synonyms	ING1L
Function	Seems to be involved in p53/TP53 activation and p53/TP53- dependent

	apoptotic pathways, probably by enhancing acetylation of p53/TP53. Component of a mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. ING2 activity seems to be modulated by binding to phosphoinositides (PtdInsPs).
Cellular Location	Nucleus. Note=Predominantly nuclear. Localized to chromatin and nuclear matrix Upon reduced PtdIns(5)P levels seems to be released from chromatin and, at least partially, translocated to the cytoplasm
Tissue Location	Widely expressed. Higher expressed in colon-cancer tumor than in normal colon tissues.

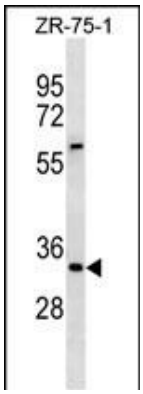
Background

This gene is a member of the inhibitor of growth (ING) family. Members of the ING family associate with and modulate the activity of histone acetyltransferase (HAT) and histone deacetylase (HDAC) complexes and function in DNA repair and apoptosis.

References

Ythier, D., et al. Oncogene 29(44):5946-5956(2010)
Larrieu, D., et al. EMBO Rep. 10(10):1168-1174(2009)
Kumamoto, K., et al. Int. J. Cancer 125(6):1306-1315(2009)
Borkosky, S.S., et al. J. Cancer Res. Clin. Oncol. 135(5):703-713(2009)
Unoki, M., et al. FEBS Lett. 582(28):3868-3874(2008)

Images



ING2 Antibody (Center)(Cat. #AP19411c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the ING2 antibody detected the ING2 protein (arrow).