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ING3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10497

Product Information

Application	WB, IHC
Primary Accession	Q9NXR8
Other Accession	NM_019071, NP_061944
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Dog, Bovine, Yeast
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46743

Additional Information

Gene ID	54556
Alias Symbol	Eaf4, FLJ20089, ING2, p47ING3, MEAF4
Other Names	Inhibitor of growth protein 3, p47ING3, ING3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-ING3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	ING3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ING3
Function	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AZ1 from

the nucleosome.

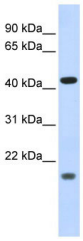
Cellular Location Nucleus.

Tissue Location Expressed in brain, heart, kidney, liver, lung, ovaries, placenta, prostate, skeletal muscle, small intestine, spleen, testis and thymus

References

Gunduz,M., (2008) Cancer Sci. 99 (3), 531-538 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-ING3 Antibody Titration: .2-1 ug/ml
ELISA Titer: 1:3125
Positive Control: Human heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.