10320 Camino Santa Fe, Suite G
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ING3 Antibody (aa294-304)
Goat Polyclonal Antibody
Catalog # ALS11339

Specification

ING3 Antibody (aa294-304) - Product Information

Application	**IHC**
Primary Accession	Q9NXR8
Reactivity	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**47kDa KDa**

ING3 Antibody (aa294-304) - Additional Information

Gene ID 54556

Other Names
Inhibitor of growth protein 3, p47ING3, ING3

Target/Specificity
aa 294-304 of Human ING3 protein (Inhibitor of growth family, member 3). This sequence only shows homology to isoform 1 for ING3.

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
ING3 Antibody (aa294-304) is for research use only and not for use in diagnostic or therapeutic procedures.

ING3 Antibody (aa294-304) - 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.

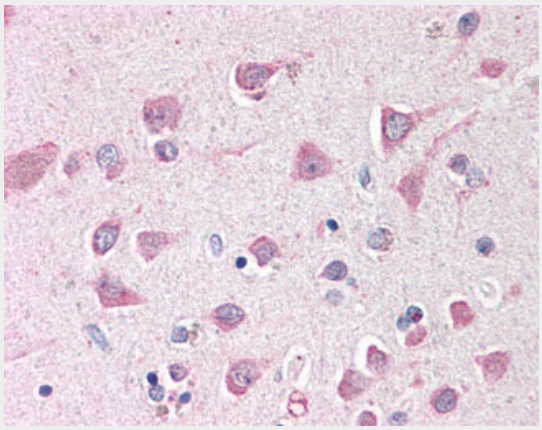
Tissue Location
Expressed in brain, heart, kidney, liver, lung, ovaries, placenta, prostate, skeletal muscle, small intestine, spleen, testis and thymus

ING3 Antibody (aa294-304) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ING3 Antibody (aa294-304) - Images



Anti-ING3 antibody IHC of human brain, cortex.

ING3 Antibody (aa294-304) - Background

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/H2AFZ from the nucleosome.

ING3 Antibody (aa294-304) - References

Nagashima M.,et al.Oncogene 22:343-350(2003).
Zenklusen J.C.,et al.Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ye M.,et al.Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.
Bechtel S.,et al.BMC Genomics 8:399-399(2007).

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