

### p66 alpha/GATAD2A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57853

# **Specification**

## p66 alpha/GATAD2A Polyclonal Antibody - Product Information

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession

Host
Clonality
Calculated MW
Physical State

Q86YP4
Rabbit
Polyclonal
68 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human p66 alpha

Epitope Specificity 151-250/633

Isotype IgG

Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus speckle.

SIMILARITY Contains 1 GATA-type zinc finger.

Important Note This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

### **Background Descriptions**

affinity purified by Protein A

GATAD2A (GATA Zinc Finger Domain Containing 2A) is a Protein Coding gene. Among its related pathways are Activated PKN1 stimulates transcription of AR (androgen receptor) regulated genes KLK2 and KLK3 and Development NOTCH1-mediated pathway for NF-KB activity modulation. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and protein binding, bridging. An important paralog of this gene is GATAD2B.

### p66 alpha/GATAD2A Polyclonal Antibody - Additional Information

# **Gene ID 54815**

#### **Other Names**

Transcriptional repressor p66-alpha, Hp66alpha, GATA zinc finger domain-containing protein 2A, GATAD2A

# **Target/Specificity**

Ubiquitous, both in fetal and adult tissues.

### **Dilution**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class</pre>

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF $\sim$ 1:50 $\sim$ 200</span><br \><span class ="dilution\_ICC">ICC $\sim$ N/A</span><br \><span class ="dilution\_E">E $\sim$ N/A</span>



## **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## p66 alpha/GATAD2A Polyclonal Antibody - Protein Information

### Name GATAD2A

#### **Function**

Transcriptional repressor (PubMed:<a href="http://www.uniprot.org/citations/12183469" target="\_blank">12183469</a>, PubMed:<a href="http://www.uniprot.org/citations/16415179" target="\_blank">16415179</a>). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:<a href="http://www.uniprot.org/citations/16428440" target="\_blank">16428440</a>, PubMed:<a href="http://www.uniprot.org/citations/28977666" target="\_blank">28977666</a>). Enhances MBD2-mediated repression (PubMed:<a href="http://www.uniprot.org/citations/12183469" target="\_blank">12183469</a>, PubMed:<a href="http://www.uniprot.org/citations/16415179" target="\_blank">16415179</a>). Efficient repression requires the presence of GATAD2B (PubMed:<a href="http://www.uniprot.org/citations/16415179" target="\_blank">16415179</a>).

#### **Cellular Location**

Nucleus speckle. Nucleus. Chromosome. Note=Speckled nuclear localization requires both CR1 and CR2 regions (PubMed:16415179). Localizes to sites of DNA damage in a manner partially dependent on ZMYND8 (PubMed:27732854).

#### **Tissue Location**

Ubiquitous, both in fetal and adult tissues.

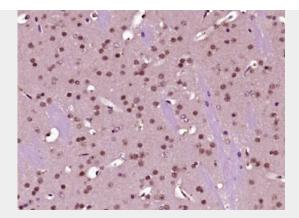
# p66 alpha/GATAD2A Polyclonal Antibody - Protocols

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

## p66 alpha/GATAD2A Polyclonal Antibody - Images





Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p66 alpha) Polyclonal Antibody, Unconjugated (bs-21072R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.