

# p66 alpha/GATAD2A Rabbit pAb

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Catalog # AP57853

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">Q86YP4</a>
<b>Reactivity</b>	Mouse
<b>Predicted</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	68063
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human p66 alpha
<b>Epitope Specificity</b>	151-250/633
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus speckle.
<b>SIMILARITY</b>	Contains 1 GATA-type zinc finger.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	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.

## Additional Information

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<b>Gene ID</b>	54815
<b>Other Names</b>	Transcriptional repressor p66-alpha, Hp66alpha, GATA zinc finger domain-containing protein 2A, GATAD2A
<b>Target/Specificity</b>	Ubiquitous, both in fetal and adult tissues.
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
<b>Storage</b>	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.

## Protein Information

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<b>Name</b>	GATAD2A
<b>Function</b>	Transcriptional repressor (PubMed: <a href="#">12183469</a> , PubMed: <a href="#">16415179</a> ). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed: <a href="#">16428440</a> , PubMed: <a href="#">28977666</a> ). Enhances MBD2-mediated repression (PubMed: <a href="#">12183469</a> , PubMed: <a href="#">16415179</a> ). Efficient repression requires the presence of GATAD2B (PubMed: <a href="#">16415179</a> ).
<b>Cellular Location</b>	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).
<b>Tissue Location</b>	Ubiquitous, both in fetal and adult tissues.

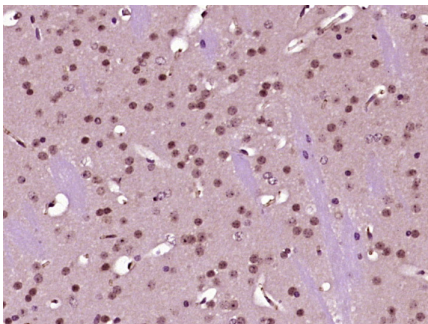
## Background

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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.

## Images

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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 (AP57853) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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