

## p66 beta/GATAD2B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57854

## **Specification**

### p66 beta/GATAD2B Polyclonal Antibody - Product Information

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

Primary Accession Q8WXI9

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
66 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human p66 beta

Epitope Specificity 381-480/593

Isotype Purity

affinity purified by Protein A

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

Proclin300 and 50% Glycerol.

Nucleus, Nucleus, Nucleus in discrete for

SUBCELLULAR LOCATION Nucleus. Nuclear, in discrete foci.
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**

This gene encodes a zinc finger protein transcriptional repressor. The encoded protein is part of the methyl-CpG-binding protein-1 complex, which represses gene expression by deacetylating methylated nucleosomes. Mutations in this gene are linked to intellectual disability and dysmorphic features associated with mental retardation. [provided by RefSeq, Jun 2016]

#### p66 beta/GATAD2B Polyclonal Antibody - Additional Information

## **Gene ID 57459**

#### **Other Names**

Transcriptional repressor p66-beta, GATA zinc finger domain-containing protein 2B, p66/p68, GATAD2B, KIAA1150

# **Target/Specificity**

Ubiquitous.

#### **Dilution**

<span class ="dilution WB">WB~~1:1000/>span class

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

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

="dilution IF">IF~~1:50~200</span><br/>span class = "dilution ICC">ICC~~N/A</span><br/>br



\><span class ="dilution E">E~~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 beta/GATAD2B Polyclonal Antibody - Protein Information

Name GATAD2B

Synonyms KIAA1150

### **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> (PubMed:<a href="http://www.uniprot.org/citations/16415179" target="\_blank">16415179</a> (PubMed:<a href="http://www.uniprot.org/citations/16415179" target="\_blank">16415179</a>). Targets MBD3 to discrete loci in the nucleus (PubMed:<a href="http://www.uniprot.org/citations/11756549" target="\_blank">11756549</a>). May play a role in synapse development (PubMed:<a href="http://www.uniprot.org/citations/23644463" target="\_blank">23644463</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 (PubMed:27732854)

### **Tissue Location**

Widely expressed..

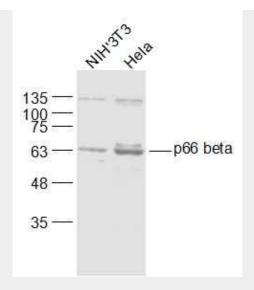
### p66 beta/GATAD2B Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# p66 beta/GATAD2B Polyclonal Antibody - Images





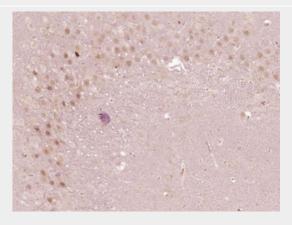
# Sample:

NIH/3T3(Mouse) Cell Lysate at 30 ug Hela(Human) Cell Lysate at 30 ug

Primary: Anti-p66 beta (bs-21073R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 66 kD Observed band size: 66 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 beta/GATAD2B) Polyclonal Antibody, Unconjugated (bs-21073R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.