

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	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	66 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human p66 beta
Epitope Specificity	381-480/593
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>

\>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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:12183469, PubMed:16415179). Acts as a component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin (PubMed:16428440, PubMed:28977666). Enhances MBD2-mediated repression (PubMed:12183469, PubMed:16415179). Efficient repression requires the presence of GATAD2A (PubMed:16415179). Targets MBD3 to discrete loci in the nucleus (PubMed:11756549). May play a role in synapse development (PubMed:23644463).

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)

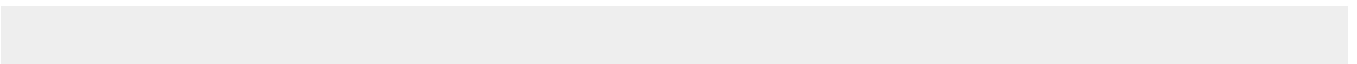
Tissue Location

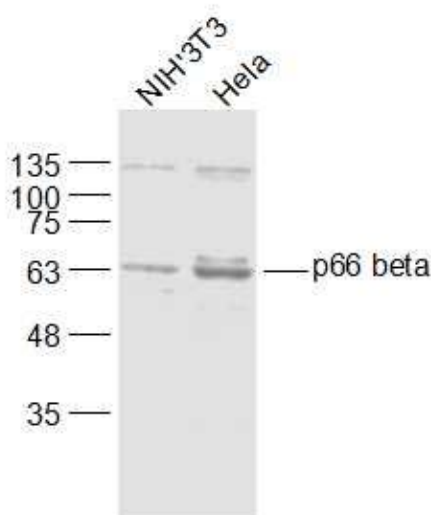
Widely expressed..

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

p66 beta/GATAD2B Polyclonal Antibody - Images



Sample:

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

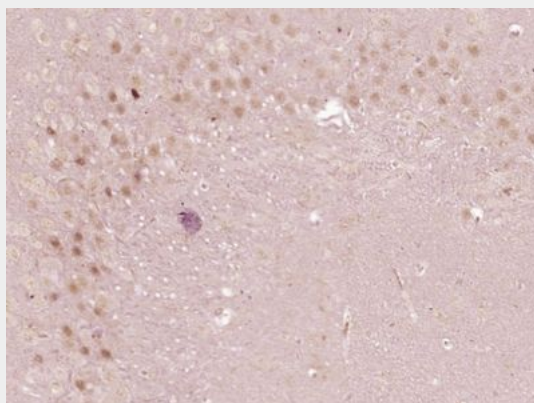
HeLa(Human) Cell Lysate at 30 ug

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.