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p66 beta/GATAD2B Rabbit pAb

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Catalog # AP57854

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8WXI9
Reactivity	Human, Mouse
Predicted	Rat, Chicken, Dog, Pig, Horse, Rabbit, Zebrafish, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65261
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]

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=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

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..

Background

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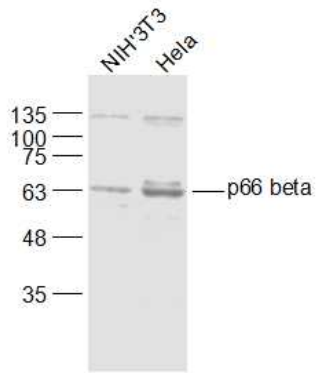
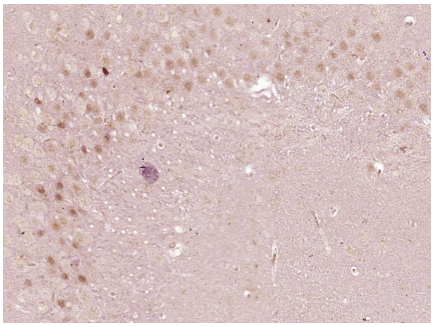
Images



Sample:
NIH/3T3(Mouse) Cell Lysate at 30 ug
Hela(Human) Cell Lysate at 30 ug
Primary: Anti-p66 beta (AP57854) 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 (AP57854) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.