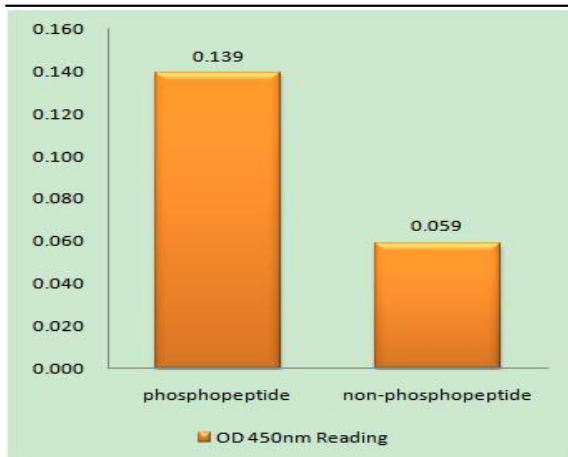


TIP60 (phospho Ser90) Polyclonal Antibody

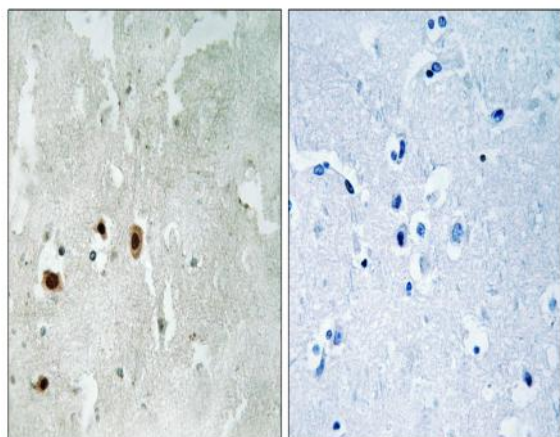
Catalog No :	YP1111
Reactivity :	Human;Mouse;Rat
Applications :	IHC;IF;ELISA
Target :	TIP60
Fields :	>>Spinocerebellar ataxia;>>Human T-cell leukemia virus 1 infection
Gene Name :	KAT5
Protein Name :	Histone acetyltransferase KAT5
Human Gene Id :	10524
Human Swiss Prot No :	Q92993
Mouse Gene Id :	81601
Mouse Swiss Prot No :	Q8CHK4
Rat Gene Id :	192218
Rat Swiss Prot No :	Q99MK2
Immunogen :	The antiserum was produced against synthesized peptide derived from human Tip60 around the phosphorylation site of Ser90. AA range:56-105
Specificity :	Phospho-TIP60 (S90) Polyclonal Antibody detects endogenous levels of TIP60 protein only when phosphorylated at S90.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	59kD
Cell Pathway :	Protein_Acetylation
Background :	<p>The protein encoded by this gene belongs to the MYST family of histone acetyl transferases (HATs) and was originally isolated as an HIV-1 TAT-interactive protein. HATs play important roles in regulating chromatin remodeling, transcription and other nuclear processes by acetylating histone and nonhistone proteins. This protein is a histone acetylase that has a role in DNA repair and apoptosis and is thought to play an important role in signal transduction. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008],</p>
Function :	<p>negative regulation of transcription from RNA polymerase II promoter, regulation of cytokine production, negative regulation of cytokine production, DNA metabolic process, DNA repair, double-strand break repair, chromatin organization, chromatin assembly or disassembly, transcription, regulation of transcription, DNA-dependent, regulation of transcription from RNA polymerase II promoter, protein amino acid acetylation, response to DNA damage stimulus,DNA damage response, signal transduction by p53 class mediator resulting in transcription of p21 class mediator,intracellular signaling cascade, negative regulation of biosynthetic process, positive regulation of biosynthetic process,regulation of specific transcription from RNA polymerase II promoter, negative regulation of specific transcription from RNA polymerase II promoter, positive regulation of macromolecule biosynthetic process, neg</p>
Subcellular Location :	<p>Nucleus . Chromosome . Cytoplasm . Chromosome, centromere, kinetochore . Cytoplasm, cytoskeleton, spindle pole . Nucleus, nucleolus . Cytoplasm, perinuclear region . Upon stimulation with EDN1, it is exported from the nucleus to the perinuclear region and UV irradiation induces translocation into punctuate subnuclear structures named nuclear bodies (PubMed:11262386). Transiently localizes to kinetochores in early mitosis (PubMed:26829474). Localizes to spindle poles when chromosomes align during metaphase (PubMed:34608293). Localizes in the cytoplasm and nucleus of round spermatids (By similarity). .</p>
Expression :	Brain,

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Tip60 (Phospho-Ser90) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using Tip60 (Phospho-Ser90) Antibody. The picture on the right is blocked with the phospho peptide.