



Rabbit Anti-BHLHB9/p60TRP antibody

SL11653R

Product Name:	BHLHB9/p60TRP
Chinese Name:	p60TRP蛋白抗体
Alias:	Basic helix loop helix domain containing class B 9; BHLHB 9; bHLHB9; KIAA1701; p60 like protein; p60TRP; Protein BHLHb9; Transcription regulator of 60 kDa; BHLH9 HUMAN .
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	60kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human BHLHB9/p60TRP:451-547/547
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	Basic helix-loop-helix (bHLH) proteins are a group of transcription factors that influence the regulation of neurogenesis, cardiogenesis, myogenesis, differentiation and cell proliferation. p60TRP (p60-transcription-regulator-protein), also known as BHLHb9 (basic helix-loop-helix domain containing, class B, 9) or p60-like protein, is a 547 amino acid cytoplasmic and nuclear protein that belongs to the GPRASP family. A few

members of the GRASP family are considered G protein-coupled receptors that play a role in many different stimulus-response pathways. Highly expressed in brain, p60TRP may be involved in the control of cellular aging and survival. In colon cancer cells, p60TRP is down regulated due to CpG hypermethylation of its promoter, and patients suffering from Alzheimer disease have low levels of p60TRP. p60TRP binds to karyopherin β 3, also known as Ran BP-5, and protein-phosphatase-2A (PP2A), and is encoded by a gene located on human chromosome Xq22.1.

Function:

BHLHB9, or basic helix loop helix domain containing, class B 9, interacts with the Ran-binding-protein-5 (RanBP5) and the protein-phosphatase-2A (PP2A). It can also affect NNT1 and p48ZnF signaling and is down-regulated in the brain of AD subjects. Thus BHLHB9 may have a possible pivotal role in the control of cellular aging and survival. Hypermethylation of the BHLHB9 gene occurs in premalignant lesions and accumulates during tumorigenesis.

Subcellular Location:

Cytoplasm. Nucleus. Note=Mainly cytoplasmic, and nuclear at lower level.

Tissue Specificity:

Highly expressed in brain. Not expressed in lung or liver. Down-regulated in brain from patients suffering from Alzheimer disease.

Similarity:

Belongs to the GPRASP family.

SWISS:

Q6PI77

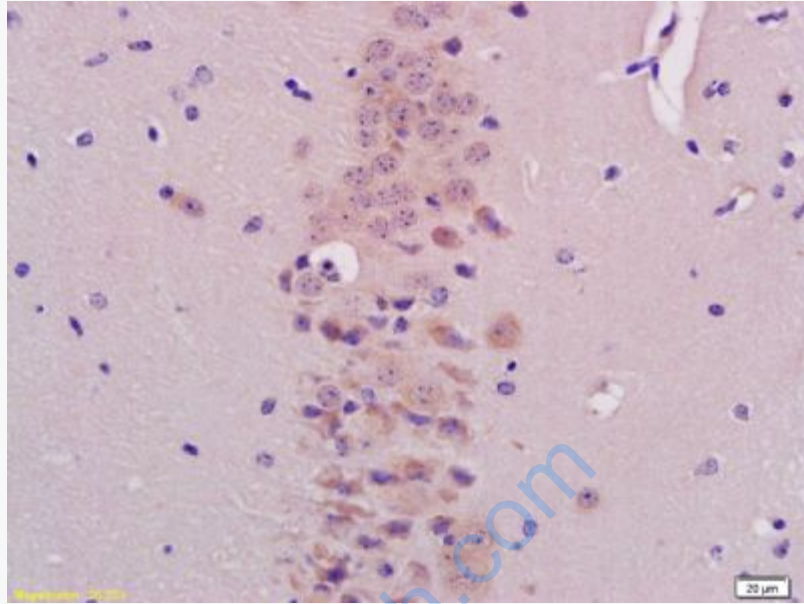
Gene ID:

80823

Database links:

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-BHLHB9/p60TRP Polyclonal Antibody, Unconjugated(SL11653R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining