

Rabbit Anti-Chimaerin 2/AP Conjugated antibody

SL13903R-AP

Product Name	Anti-Chimaerin 2/AP
Chinese Name	碱性磷酸酶 (AP) 标记的嵌合蛋白 2/ β 2-chimaerin 抗体
Alias	ARHGAP3; BCH; Beta chimerin; Chimaerin2; Chimerin (chimaerin) 2; Chimerin 2; CHN 2; CHN2; CHIO_HUMAN; MGC138360; Rho GTPase activating protein 3; RHOGAP3.
Research Area	Cell biology Signal transduction G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Chicken,Pig,Cow,Horse,Sheep) WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	54kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Chimaerin 2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: This gene is a member of the chimerin family and encodes a protein with a phorbol-ester/DAG-type zinc finger, a Rho-GAP domain and an SH2 domain. This protein has GTPase-activating protein activity that is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces

translocation of the protein from the cytosol to the Golgi apparatus membrane. The protein plays a role in the proliferation and migration of smooth muscle cells. Decreased expression of this gene is associated with high-grade gliomas and breast tumors, and increased expression of this gene is associated with lymphomas. Mutations in this gene have been associated with schizophrenia in men. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Function:

The Chimaerin gene is a member of the chimerin family and encodes a protein with a phorbol-ester/DAG-type zinc finger, an SH2 domain and a Rho-GAP domain. This protein has GTPase-activating protein activity which is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces translocation of the protein from the cytosol to the Golgi apparatus membrane. The protein plays a role in the proliferation and migration of smooth muscle cells. Increased expression of this gene is associated with lymphomas and decreased expression of this gene is associated with high-grade gliomas and breast tumors. Mutations in this gene have been associated with schizophrenia in men. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Subcellular Location:

Membrane; Peripheral membrane protein

Tissue Specificity:

Highest levels in the brain and pancreas. Also expressed in the heart, placenta, and weakly in the kidney and liver. Expression is much reduced in the malignant gliomas, compared to normal brain or low-grade astrocytomas.

Similarity:

Contains 1 phorbol-ester/DAG-type zinc finger.

Contains 1 Rho-GAP domain.

Contains 1 SH2 domain.

Database links:

[Entrez Gene: 1124](#) Human

[Entrez Gene: 69993](#) Mouse

[Entrez Gene: 84031](#) Rat

[Omim: 602857](#) Human



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[SwissProt: P52757](#) Human

[SwissProt: Q80XD1](#) Mouse

[SwissProt: Q03070](#) Rat

Important Note:

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