SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-Chimaerin 2/Biotin Conjugated antibody

Catalog Number: SL13903R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Chimaerin 2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human Chimaerin 2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Chicken,Pig,Cow,Horse,Sheep)
Background:	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

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

	(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 **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.