

Chimaerin 2 Rabbit pAb

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Catalog # AP55338

Product Information

Application	WB
Primary Accession	P52757
Reactivity	Rat, Mouse
Predicted	Pig, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53924
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Chimaerin 2
Epitope Specificity	251-350/468
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	Membrane; Peripheral membrane protein
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 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]

Additional Information

Gene ID	1124
Other Names	Beta-chimaerin, Beta-chimerin, Rho GTPase-activating protein 3, CHN2, ARHGAP3, BCH
Dilution	WB=1:500-2000
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.

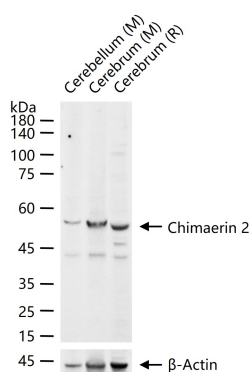
Protein Information

Name	CHN2
Synonyms	ARHGAP3, BCH
Function	GTPase-activating protein for p21-rac. Insufficient expression of beta-2 chimaerin is expected to lead to higher Rac activity and could therefore play a role in the progression from low- grade to high-grade tumors.
Cellular Location	Membrane; Peripheral membrane protein
Tissue Location	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

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Images



25 ug total protein per lane of various lysates (see on figure) probed with Chimaerin 2 polyclonal antibody, unconjugated (AP55338) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.