10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# CHN2 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP9489c**

## Specification

### CHN2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P52757

### CHN2 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 1124

**Other Names**
Beta-chimaerin, Beta-chimerin, Rho GTPase-activating protein 3, CHN2, ARHGAP3, BCH

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### CHN2 Antibody (Center) Blocking Peptide - 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

### CHN2 Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

**CHN2 Antibody (Center) Blocking Peptide - Images**

**CHN2 Antibody (Center) Blocking Peptide - 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.

**CHN2 Antibody (Center) Blocking Peptide - References**

Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010)Suliman, S.G., et al. Diabetes 58(12):2954-2961(2009)Siliceo, M., et al. J. Biol. Chem. 284(17):11354-11363(2009)