



Human RASGRP4 blocking peptide (CDBP2483)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-RASGRP4 (isoform 3) antibody |
| Antigen Description | The protein encoded by this gene is a member of the Ras guanyl nucleotide-releasing protein (RasGRP) family of Ras guanine nucleotide exchange factors. It contains a Ras exchange motif, a diacylglycerol-binding domain, and two calcium-binding EF hands. This protein was shown to activate H-Ras in a cation-dependent manner in vitro. Expression of this protein in myeloid cell lines was found to be correlated with elevated level of activated RAS protein, and the RAS activation can be greatly enhanced by phorbol ester treatment, which suggested a role of this protein in diacylglycerol regulated cell signaling pathways. Studies of a mast cell leukemia cell line expressing substantial amounts of abnormal transcripts of this gene indicated that this gene may play an important role in the final stages of mast cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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| Gene Name | RASGRP4 RAS guanyl releasing protein 4 [Homo sapiens] |
| Official Symbol | RASGRP4 |
| Synonyms | RASGRP4; RAS guanyl releasing protein 4; RAS guanyl-releasing protein 4; guanyl nucleotide releasing protein 4; |
| Entrez Gene ID | 115727 |
| mRNA Refseq | NM_001146202 |
| Protein Refseq | NP_001139674 |
| UniProt ID | Q8TDF6 |
| Chromosome Location | 19q13.1 |
| Pathway | MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; |
| Function | GTP-dependent protein binding; Ras guanyl-nucleotide exchange factor activity; diacylglycerol binding; metal ion binding; |
