

GTPase Activating Protein (Phospho-Ser387) Antibody

Catalog No: #11983

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Package Size: #11983-1 50ul #11983-2 100ul

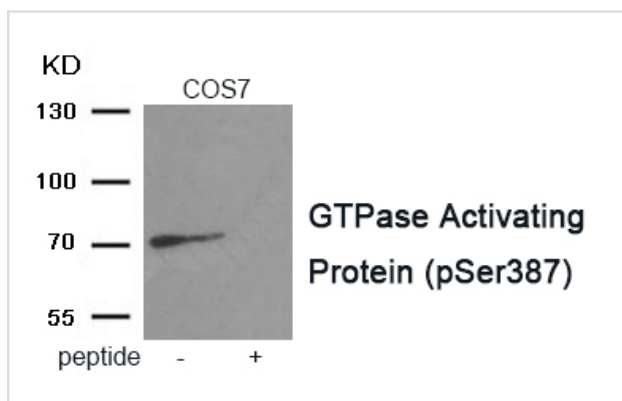
Description

Product Name	GTPase Activating Protein (Phospho-Ser387) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous level of GTPase Activating Protein only when phosphorylated at serine 387.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 387 (R-I-S(p)-G-C) derived from Human GTPase Activating Protein.
Target Name	GTPase Activating Protein
Modification	Phospho
Other Names	GTPase activating protein; GTPase activating protein ID-GAP; RAC GTPase- activating protein 1; RACGAP1; RAC GTPase-activating protein
Accession No.	Swiss-Prot#: Q9H0H5; NCBI Gene#: 29127; NCBI Protein#: NP_001119575.1
SDS-PAGE MW	72kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from COS7 tissue using GTPase Activating Protein antibody #11983. The lane on the right is treated with the antigen-specific peptide.

Background

Component of the centralspindlin complex that serves as a microtubule-dependent and Rho-mediated signaling required for the myosin contractile ring formation during the cell cycle cytokinesis. Required for proper attachment of the midbody to the cell membrane during cytokinesis. Plays key roles in controlling cell growth and differentiation of hematopoietic cells through mechanisms other than regulating Rac GTPase activity. Also involved in the regulation of growth-related processes in adipocytes and myoblasts. May be involved in regulating spermatogenesis and in the RACGAP1 pathway in neuronal proliferation.

Doki N, et al. (2009)Cancer Sci 100, 1675-9. Minoshima Y, et al. (2003)Dev Cell 4, 549-60.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.