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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB05315 - Goat Anti-RACGAP1 / MgcRacGAP Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: HsCYK-4, HsCYK-4, GTPase activating protein, MGCRACGAP, ID-GAP, Rac GTPase activating protein 1, MgcRacGAP, RACGAP1

Official Symbol: RACGAP1

Accession Number(s): NP_037409.2; NP_001119576.1; NP_001119575.1

Human GeneID(s): [29127](#)

Important Comments: Reported variants represent identical protein: NP_037409.2, NP_001119576.1 and NP_001119575.1.

Immunogen

Peptide with sequence C-GRQGNFFASPMLK, from the C Terminus of the protein sequence according to NP_037409.2; NP_001119576.1; NP_001119575.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 75kDa band observed in lysates of cell line K562 and Jurkat (calculated MW of 71kDa according to NP_037409). Recommended concentration: 1-3µg/ml.

IHC: In paraffin embedded Human Testis, shows nuclear staining of many cells. Recommended concentration, 1µg/ml. Data obtained with a previous batch.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Cow

Specific References

The goat polyclonal antibody used in this paper was manufactured by us:

Seguin L, Liot C, Mzali R, Harada R, Siret A, Nepveu A, Bertoglio J.

CUX1 and E2F1 regulate coordinated expression of the mitotic complex genes Ect2, MgcRacGAP, and MKLP1 in S phase.

Mol Cell Biol. 2009 Jan;29(2):570-81.

PMID: 19015243

The goat polyclonal antibody used in this paper was manufactured by us:

Grewal S, Carver JG, Ridley AJ, Mardon HJ.

Implantation of the human embryo requires Rac1-dependent endometrial stromal cell migration.

Proc Natl Acad Sci U S A. 2008 Oct 21;105(42):16189-94.

PMID: 18838676

The goat polyclonal antibody used in this paper was manufactured by us:

Touré A, Mzali R, Liot C, Seguin L, Morin L, Crouin C, Chen-Yang I, Tsay YG, Dorseuil O,

Gacon G, Bertoglio J.

Phosphoregulation of MgcRacGAP in mitosis involves Aurora B and Cdk1 protein kinases and the PP2A phosphatase.

FEBS Lett. 2008 Apr 9;582(8):1182-8.

PMID: 18201571

The goat polyclonal antibody used in this paper was manufactured by us:

Zhao WM, Seki A, Fang G.

Cep55, a microtubule-bundling protein, associates with central spindle to control the midbody integrity and cell abscission during cytokinesis.

Mol Biol Cell. 2006 Sep;17(9):3881-96.

PMID: 16790497

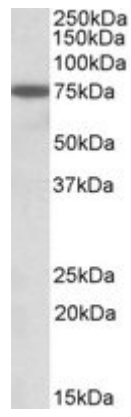
The goat polyclonal antibody used in this paper was manufactured by us:

Nishimura Y, Yonemura S.

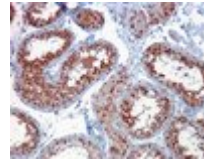
Central spindle regulates ECT2 and RhoA accumulation at the equatorial cortex during cytokinesis.

J Cell Sci. 2006 Jan 1;119(Pt 1):104-14. Epub 2005 Dec 13.

PMID: 16352658



EB05315 (1 μ g/ml) staining of lysate of cell line K562 (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB05315 (1 μ g/ml) staining of paraffin embedded Human Testis. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. Data obtained with a previous batch.