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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB05314 - Goat Anti-RAC2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: RAC2, ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2), EN-7, Ras-related C3 botulinum toxin substrate 2, rho family, small GTP binding protein Rac2, Ras-related C3 botulinum toxin substrate 3 (rho family, small GTP-binding protein Rac2), Gx, HSPC022, small G protein

Official Symbol: RAC2

Accession Number(s): NP_002863.1

Human GeneID(s): [5880](#)

Immunogen

Peptide with sequence PGPTRQQKRACSL, from the C Terminus of the protein sequence according to NP_002863.1.

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 22kDa band observed in lysates of Human Thymus and Tonsil and of cell line MOLT4 (calculated MW of 21.4kDa according to NP_002863.1).

Recommended concentration: 0.1-0.3µg/ml. Preliminary testing was unsuccessful on Rat and Mouse Spleen, and cell line NIH-3T3 for this particular batch.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

EB05314 (0.1µg/ml) staining of Human Thymus (A) and Tonsil (B) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05314 (0.3µg/ml) staining of MOLT4 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05314 (0.3µg/ml) staining of paraffin embedded Human Tonsil. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. A) Strong staining in the interfollicular area and mantle zone. B) Positive cells in the interfollicular area. **This data is from a previous batch, not on sale.**