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Research Use Only. Not for diagnostic or therapeutic use.

EB11488 - Goat Anti-GEM (aa34-46) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: GEM, GTP binding protein overexpressed in skeletal muscle, GTP-binding mitogen-induced T-cell protein, GTP-binding protein GEM, GTP-binding protein overexpressed in skeletal muscle, kinase-inducible Ras-like protein, KIR, MGC26294, OTTHUMP00000226600, OTTHUMP00000226601, RAS-like protein KIR

Official Symbol: GEM

Accession Number(s): NP_005252.1

Human GeneID(s): 2669

Important Comments: Reported variants represent identical protein: NP_005252.1,

NP_859053.1

Immunogen

Peptide with sequence C-QKEPHQYSHRNRH, from the internal region of the protein sequence according to NP_005252.1.

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

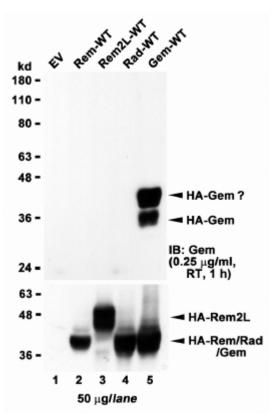
Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: In transfected HEK293 transiently expressing Human recombinant GEM bands of approx. 35+45kDa are observed. These bands are not observed in the transfected HEK293 with empty vector and the antibody does not cross-react to related protein such as Rem, Rem2L or Rad. Data provided by Prof. R Andres, Univ. Kentucky, USA. A similar banding pattern we observed in Human Spleen. The calculated molecular size is 33.9kDa according to NP_005252.1. Recommended concentration: 1-3µg/ml.

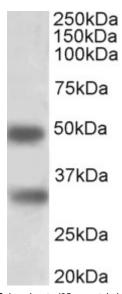
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



HEK293 lysate overexpressing full-length Human GEM (HA tagged), mock-transfected HEK293 (EV) and HEK293 transiently expressing GEM-related genes (Rem, Rem2L and Rad) probed with EB11488 (1ug/ml). The same lysates probed with anti-HA tag antibody in the lower panel.



EB11488 (1µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.