

Goat anti-GEM (aa34-46) Antibody

Item Number	dAP-2664
Target Molecule	Principle Name: GEM (aa34-46); Official Symbol: GEM; All Names and Symbols: GEM; GTP binding protein overexpressed in skeletal muscle; KIR; MGC26294; GTP-binding mitogen-induced T-cell protein; GTP-binding protein GEM; GTP-binding protein overexpressed in skeletal muscle; OTTHUOMP00000226600; OTTHUOMP00000226601; RAS-like protein K; Accession Number (s): NP_005252.1; Human Gene ID(s): 2669; Non-Human GeneID(s):
Immunogen	QKEPHQYSHRNRH, is from internal region Reported variants represent identical protein: NP_005252.1, NP_859053.1
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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 s
IHC	
Reference	Reference(s): Wang A, Johnston SC, Chou J, Dean D. A systemic network for Chlamydia pneumoniae entry into human cells. <i>J Bacteriol.</i> 2010 Jun;192(11):2809-15.. PMID: 20233927->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**