

Goat anti-CAPG Antibody

Item Number	dAP-3091
Target Molecule	Principle Name: CAPG; Official Symbol: CAPG; All Names and Symbols: CAPG; capping protein (actin filament), gelsolin-like; AFCP; MCP; actin regulatory protein CAP-G; actin-regulatory protein CAP-G; gel-solin-like capping protein; macrophage capping protein; macrophage-capping protein; Accession Number (s): NP_001738.2; NP_001243069.1; Human Gene ID(s): 822; Non-Human GeneID(s):
Immunogen	NIRATERALNWDS, is from internal region This antibody is expected to recognize both reported isoforms (NP_001738.2; NP_001243069.1). Reported variants represent identical protein: NP_001243068.1, NP_001738.2.
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 64000.
Western Blot	Western Blot: Approx 38kDa band observed in lysates of cell line U937 and of Human Spleen (calculated MW of 38.5kDa according to NP_001738.2). In Peripheral Blood Lymphocytes, the observed band runs as ~40kDa. Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Hubert T, Van Impe K, Vandekerckhove J, Gettemans J. The actin-capping protein CapG localizes to microtubule-dependent organelles during the cell cycle. Biochemical and biophysical research communications 2009 Feb 380 (1): 166-70.. PMID: 19166812->

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 end users! This product is sold for **Research Use Only**