

Goat anti-GNA12 Antibody

Item Number	dAP-3257
Target Molecule	Principle Name: GNA12; Official Symbol: GNA12; All Names and Symbols: GNA12; guanine nucleotide binding protein (G protein) alpha 12; NNX3; RMP; gep; G-protein subunit alpha-12; WUGSC:H_GS165O14.2; g alpha-12; guanine nucleotide-binding protein subunit alpha-12; Accession Number (s): NP_031379.2; NP_001269369.1; NP_001269370.1; NP_001280021.1; Human Gene ID(s): 2768; Non-Human GeneID(s): 14673 (mouse) 81663 (rat)
Immunogen	KKHFPDFRGDPHR, is from internal region This antibody is expected to recognize all reported isoforms (NP_031379.2; NP_001269369.1; NP_001269370.1; NP_001280021.1).
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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 128000.
Western Blot	Western Blot: Approx 37kDa band observed in Human Placenta lysates and approx 42kDa in Mouse Heart lysates (calculated MW of 37.6kDa according to Human NP_001269370.1 and 44.1kDa according to Mouse NP_034432.1). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Cox B, Sharma P, Evangelou AI, Whiteley K, Ignatchenko V, Ignatchenko A, Baczyk D, Czikk M, Kingdom J, Rossant J, Gramolini AO, Adamson SL, Kislinger T. Translational analysis of mouse and human placental protein and mRNA reveals distinct molecular pathologies in human preeclampsia. Molecu-

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**