

Goat anti-GGCX Antibody

Item Number	dAP-1867
Target Molecule	Principle Name: GGCX; Official Symbol: GGCX; All Names and Symbols: GGCX; gamma-glutamyl carboxylase; FLJ26629; VKCFD1; vitamin K-dependent gamma-carboxylase; Accession Number (s): NP_000812.2; NP_001135741.1; Human Gene ID(s): 2677; Non-Human GeneID(s):
Immunogen	PPESNPDPVHSE, is from C Terminus This antibody is expected to recognize both isoforms (NP_000812.2; NP_001135741.1).
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 32000.
Western Blot	Western Blot: Approx 85kDa band observed in Human Muscle lysates (calculated MW of 85kDa according to NP_000812.2). Recommended concentration: 0.3-1µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows distinct staining in the cytoplasm of epithelial cells. Recommended concentration, 5-10µg/ml.
Reference	Reference(s): Li Q, Grange DK, Armstrong NL, Whelan AJ, Hurley MY, Rishavy MA, Hallgren KW, Berkner KL, Schurgers LJ, Jiang Q, Uitto J, Mutations in the GGCX and ABCC6 genes in a family with pseudoxanthoma elasticum-like phenotypes. J Invest Dermatol. 2009 Mar;129(3):553-63. Epub 2008 Sep 18..PMID:

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**