



Goat anti-AGXT / AGT Antibody

Item Number	dAP-1689
Target Molecule	Principle Name: AGXT / AGT; Official Symbol: AGXT; All Names and Symbols: AGXT; alanine-glyoxylate aminotransferase; AGT; AGT1; AGXT1; PH1; SPAT; SPT; TLH6; L-alanine: glyoxylate aminotransferase 1; hepatic peroxisomal alanine:glyoxylate aminotransferase; serine-pyruvate aminotransferase; serine:pyruvate aminotransferase; Accession Number (s): NP_000021.1; Human Gene ID(s): 189; Non-Human GeneID(s):
Immunogen	DKAKKKMYSRK, is from internal region
Applications	Pep ELISA Species Tested:
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 2000.
Western Blot	Western Blot: Preliminary experiments gave a faint 37kDa band in Human Liver lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 43.0kDa
IHC	
Reference	Reference(s): Danpure CJ. Molecular etiology of primary hyperoxaluria type 1: new directions for treatment. Am J Nephrol. 2005 May-Jun;25(3):303-10..PMID: 15961951->

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**