

Goat anti-GOT1 (aa 157-167) Antibody

Item Number	dAP-1293
Target Molecule	Principle Name: GOT1 (aa 157-167); Official Symbol: GOT1; All Names and Symbols: GOT1; glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) ; GIG18; aspartate aminotransferase 1; growth-inhibiting protein 18; Accession Number (s): NP_002070.1; Human Gene ID(s): 2805; Non-Human GenelD(s): 24401 (rat)
Immunogen	RSYRYWDAEKR, is from internal region
Applications	Pep ELISA, WB, IHC 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 4000.
Western Blot	Western Blot: Approx 40kDa band observed in Human Brain (Cerebellum), Liver and Skeletal Muscle lysates (calculated MW of 46.2kDa according to NP_002070.1). The observed molecular weight corresponds to earlier findings in literature with different antibody.
IHC	Immunohistochemistry: In paraffin embedded Human Heart shows strong staining of the capillary network between the myocardial fibres in transverse section. Recommended concentration: 2-3µg/ml. Paraffin embedded Human Kidney. Recommended concentration: 5µg/
Reference	Reference(s): Teichberg VI. From the liver to the brain across the blood-brain barrier. Proc Natl Acad Sci U S A. 2007 May 1;104(18):7315-6. Epub 2007 Apr 26. No abstract available.->

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**