Goat anti-HMBS (aa160-173) Antibody

Item Number: dAP-3284

Target Molecule: Principle Name: HMBS (aa160-173); Official Symbol: HMBS; All Names and Symbols: HMBS; hydroxymethylbilane synthase; PBG-D; PBGD; PORC; UPS; porphobilinogen deaminase; porphyria, acute; Chester type; pre-urophyrinogen synthase; uroporphyrinogen I synthase; uroporphyrinogen I synthase; Accession Number(s): NP_000181.2; NP_001019553.1; NP_001245137.1; NP_001245138.1; Human Gene ID(s): 3145; Non-Human GeneID(s):

Immunogen: HLEFRSIRGNLNTR, is from internal region
This antibody is expected to recognize all reported isoforms (NP_000181.2; NP_001019553.1; NP_001245137.1; NP_001245138.1).

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 50μg or 100μg 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: Approx 40kDa band observed in lysates of cell line K562 (calculated MW of 39.3kDa according to NP_000181.2). Recommended concentration: 0.1-0.3µg/ml.

IHC

Reference(s): Brancaleoni V, Granata F, Colancecco A, Tavazzi D, Cappellini MD, Di Pierro E. Seven novel genetic mutations within the 5'UTR and the housekeeping promoter of HMBS gene responsible for the non-erythroid form of acute intermittent porphyria. Blood cells, molecules &amp; diseases 49 (3-4): 147-

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.