

### **International Office**

#### **Everest Biotech Ltd**

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

**Customer Service:** 

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

# EB12830 - Goat Anti-HMBS (aa160-173) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

**Principal Names:** HMBS, hydroxymethylbilane synthase, PBG-D, PBGD, PORC, UPS, porphobilinogen deaminase, porphyria, acute, Chester type, pre-uroporphyrinogen synthase, uroporphyrinogen I synthase, uroporphyrinogen I synthase

Official Symbol: HMBS

Accession Number(s): NP\_000181.2; NP\_001019553.1; NP\_001245137.1;

NP\_001245138.1

Human GeneID(s): 3145

Important Comments: This antibody is expected to recognize all reported isoforms

(NP\_000181.2; NP\_001019553.1; NP\_001245137.1; NP\_001245138.1).

# **Immunogen**

Peptide with sequence C-HLEFRSIRGNLNTR, from the internal region of the protein sequence according to NP\_000181.2; NP\_001019553.1; NP\_001245137.1; NP\_001245138.1.

Please note the peptide is available for sale.

## **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:32000.

**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. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

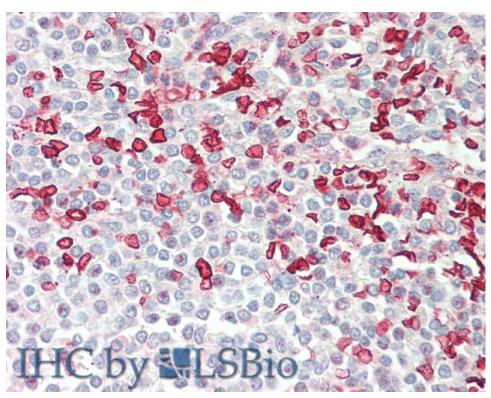
# **Species Reactivity**

Tested: Human

Expected from sequence similarity: Human

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

 $EB12830\ (0.1\mu\text{g/ml})\ staining\ of\ K562\ lysate\ (35\mu\text{g}\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$ 



EB12830 (5μg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.