



## UK Office

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**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 synthetase

**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.

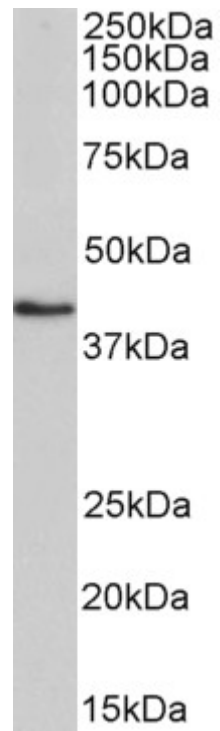
Primary incubation was 1 hour.

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

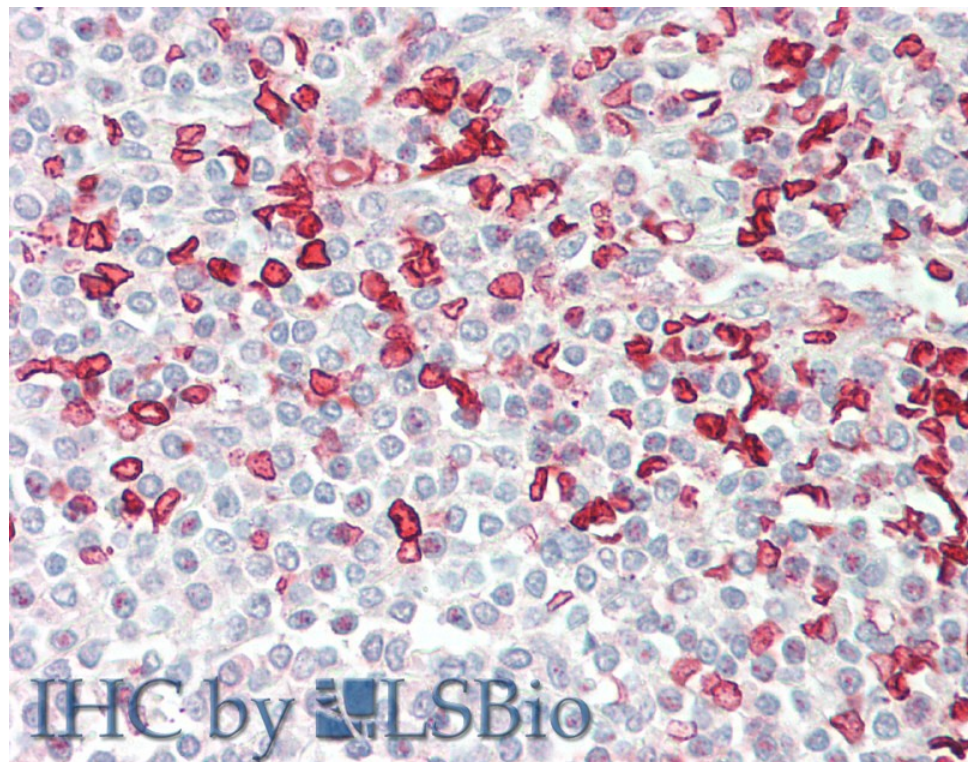
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB12830 (0.1µg/ml) staining of K562 lysate (35µg 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.