



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08570-B - Goat Anti-Laforin (isoform a), Biotinylated Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** EPM2A, epilepsy, progressive myoclonus type 2A, Lafora disease (laforin), EPM2, MELF, LAFPTase, epilepsy, progressive myoclonus type 2, Lafora disease (laforin), glucan phosphatase, lafora PTPase, laforin

**Official Symbol:** EPM2A

**Accession Number(s):** NP\_005661.1

**Human GeneID(s):** [7957](#)

**Non-Human GeneID(s):** 13853 (mouse), 680683 (rat)

**Important Comments:** This antibody is expected to recognize isoform a (NP\_005661.1) only.

### Immunogen

Peptide with sequence C-EATGHTNEMKHTTD., from the internal region of the protein sequence according to NP\_005661.1.

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

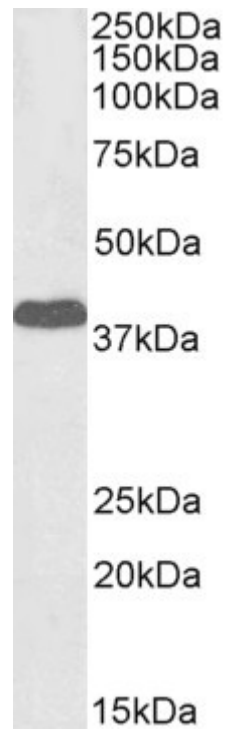
**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Approx 38kDa band observed in Human Brain (Cerebellum) lysates (calculated MW of 37.2kDa according to NP\_005661.1). See non-biotinylated parental product's datasheet for further QC data. Recommended concentration: 1-3µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Cow



Biotinylated EB08570 (1 $\mu$ g/ml) staining of Human Cerebellum lysate (35 $\mu$ g protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.