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

EB08570 - Goat Anti-Laforin (isoform a) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

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), Mouse Brain and Rat Brain lysates (calculated MW of 37.2kDa according to NP_005661.1).

Recommended concentration: 0.1-0.3µg/ml.

IHC: In paraffin embedded Human Cerebellum shows pixulate staining in the cells of the granular layer. Recommended concentration, 2.5-3.8µg/ml.

Species Reactivity

Tested: Human

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

EB08570 (3.8µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB08570 (0.1µg/ml) staining of Human Cerebellum lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.