

Goat anti-Laforin (isoform a) Antibody

Item Number	dAP-1704
Target Molecule	Principle Name: Laforin (isoform a); Official Symbol: EPM2A; All Names and Symbols: epilepsy, progressive myoclonus type 2, Lafora disease (laforin); laforin; EPM2A; epilepsy, progressive myoclonus type 2A, Lafora disease (laforin); EPM2; MELF; Accession Number (s): NP_005661.1; Human Gene ID(s): 7957; Non-Human GenelD(s): 13853 (mouse) 680683 (rat)
Immunogen	EATGHTNEMKHTTD, is from internal region This antibody is expected to recognize isoform a (NP_005661.1) only.
Applications	Pep ELISA, WB, IHC 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 50ug or 100ug 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 16000.
Western Blot	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	Immunohistochemistry: In paraffin embedded Human Cerebellum shows pixulate staining in the cells of the granular layer. Recommended concentration, 2.5-3.8µg/ml.
Reference	Reference(s): Mittal S, Dubey D, Yamakawa K, Ganesh S. Lafora disease proteins malin and laforin are recruited to aggresomes in response to proteasomal impairment. <i>Hum Mol Genet</i> . 2007 Apr 1;16(7):753-62. Epub 2007 Mar 2.. PMID: 17337485->

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 end users! This product is sold for **Research Use Only**