Product Datasheet

Laforin/EPM2A Antibody (6C6) - Azide and BSA Free
H00007957-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00007957-M02

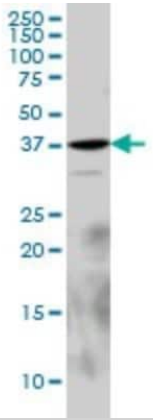
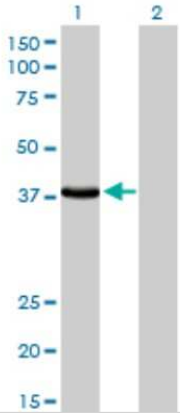
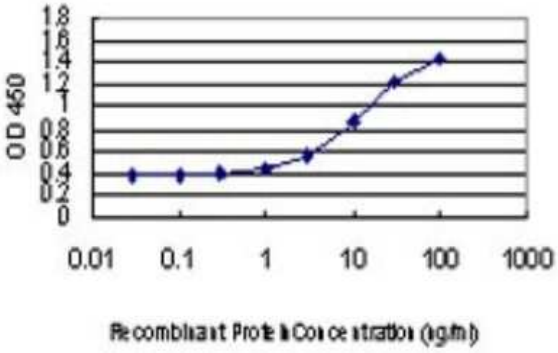
Laforin/EPM2A Antibody (6C6) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	6C6
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4

Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7957
Gene Symbol	EPM2A
Species	Human, Mouse, Rat
Specificity/Sensitivity	EPM2A - epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
Immunogen	EPM2A (NP_001018051, 101 a.a. ~ 199 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. GNGPHHDRCCTYNENNLVDGVYCLPIGHWIEATGHTNEMKHTTDFYFNIAGHQ AMHYSRILPNIWLGSCPRQVEHVTIKLKHELGITAVMNFQTEWDIV
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation, Sandwich ELISA
Recommended Dilutions	Western Blot, ELISA, Immunoprecipitation, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

Western Blot: Laforin/EPM2A Antibody (6C6) [H00007957-M02] - EPM2A monoclonal antibody (M02), clone 6C6 Analysis of EPM2A expression in PC-12.	
Western Blot: Laforin/EPM2A Antibody (6C6) [H00007957-M02] - Analysis of EPM2A expression in transfected 293T cell line by EPM2A monoclonal antibody (M02), clone 6C6.Lane 1: EPM2A transfected lysate(37.2 KDa).Lane 2: Non-transfected lysate.	
Sandwich ELISA: Laforin/EPM2A Antibody (6C6) [H00007957-M02] - Detection limit for recombinant GST tagged EPM2A is approximately 1ng/ml as a capture antibody.	

Publications

Sharmistha M, Baozhi C, Peixiang W et al. Lafora progressive myoclonus-epilepsy: Laforin targets malin to glycogen. Dis Model Mech. 2023-01-06 [PMID: 36511140]

Liu Q, Li J, Zhang W Et al. Glycogen accumulation and phase separation drives liver tumor initiation Cell 2021-10-28 [PMID: 34678143] (Mouse)

Tagliabracci VS, Turnbull J, Wang W et al. Laforin is a glycogen phosphatase, deficiency of which leads to elevated phosphorylation of glycogen in vivo. Proc Natl Acad Sci U S A. 2007-11-26 [PMID: 18040046]

Turnbull J, Wang P, Girard JM et al. Glycogen hyperphosphorylation underlies lafora body formation. Ann Neurol. 2010-10-28 [PMID: 21077101]

Depaoli-Roach AA, Segvich DM, Meyer CM et al. LAFORIN AND MALIN KNOCKOUT MICE HAVE NORMAL GLUCOSE DISPOSAL AND INSULIN SENSITIVITY. Hum Mol Genet. 2012-01-04 [PMID: 22186021]

Tiberia E, Turnbull J, Wang T et al. Increased Laforin and Laforin Binding to Glycogen Underlie Lafora Body Formation in Malin-deficient Lafora Disease. J Biol Chem. 2012-06-05 [PMID: 22669944]

Turnbull J, Girard JM, Lohi H et al. Early-onset Lafora body disease. Brain. 2012-09-01 [PMID: 22961547]

Sherwood AR, Johnson MB, Delgado-Escueta AV, Gentry MS. A Bioassay for Lafora Disease and Laforin Glucan Phosphatase Activity. Clin Biochem. 2013-09-06 [PMID: 24012855]

Zhu Y, Zhang M, Kelly AR, Cheng A. The carbohydrate-binding domain of overexpressed STBD1 is important for its stability and protein-protein interactions. Biosci Rep. 2014-05-18 [PMID: 24837458]

Irimia JM, Tagliabracci VS, Meyer CM et al. Muscle glycogen remodeling and glycogen phosphate metabolism following exhaustive exercise of wild type and laforin knockout mice. J Biol Chem 2015-07-27 [PMID: 26216881]

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Products Related to H00007957-M02

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00007957-P01-10ug	Recombinant Human Laforin/EPM2A GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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