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Product datasheet for AM09050PU-S

EPM2A Mouse Monoclonal Antibody [Clone ID: k2A3]

Product data:

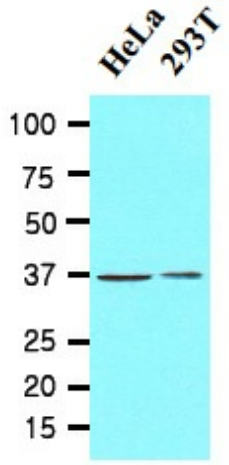
Product Type:	Primary Antibodies
Clone Name:	k2A3
Applications:	ELISA, FC, WB
Recommended Dilution:	**ELISA.** **Western blot** (1/1,000-1/2,000). **Flow Cytometry.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human EPM2A (aa 243-331) purified from E. coli
Specificity:	The antibody recognizes EPM2A.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
Database Link:	Entrez Gene 7957 Human O95278

View online »

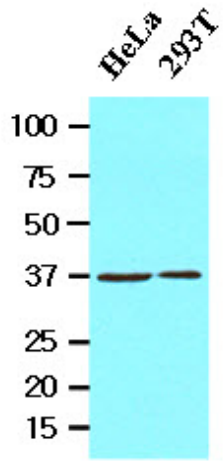
Background: Epilepsy, progressive myoclonus type 2A (EPM2A), also known as laforin, is a dual-specificity phosphatase that associates with polyribosomes. The protein may be involved in the control of glycogen metabolism, particularly in monitoring for and preventing the formation of poorly branched glycogen molecules.
Defects in EPM2A are a cause of progressive myoclonic epilepsy type 2(EPM2), also known as Lafora disease. EPM2 is an autosomal recessive and severe form of adolescent-onset progressive epilepsy.

Synonyms: EPM2A, Laforin, EC=3.1.3.48, EC=3.1.3.16, Lafora PTPase, LAFPTPase

Product images:



Cell lysates of HeLa and 293T (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human EPM2A (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: Cell lysates of HeLa and 293T (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human EPM2A (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.