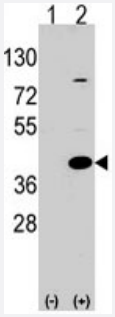
EPM2A polyclonal antibody

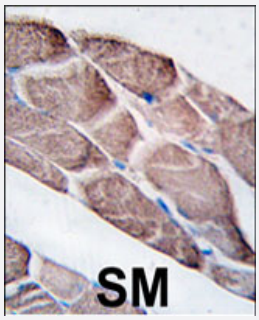
Catalog # PAB3106 Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of EPM2A (arrow) using rabbit EPM2A polyclonal antibody (Cat # PAB3106). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the EPM2A gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with EPM2A polyclonal antibody (Cat # PAB3106) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of EPM2A.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human EPM2A.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — EPM2A

Entrez GeneID	7957
Protein Accession#	NP_005661;O95278
Gene Name	EPM2A
Gene Alias	EPM2, MELF
Gene Description	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
Omim ID	254780 607566
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a dual-specificity phosphatase that associates with polyribosomes. The enco ded protein may be involved in the regulation of glycogen metabolism. Mutations in this gene have been associated with myoclonic epilepsy of Lafora. Alternative splicing results in multiple transcri pt variants. [provided by RefSeq
Other Designations	OTTHUMP00000017360|epilepsy, progressive myoclonus type 2, Lafora disease (laforin)|laforin

Publication Reference

- Laforin, defective in the progressive myoclonus epilepsy of Lafora type, is a dual-specificity phosphatase associated with polyribosomes.

  Ganesh S, Agarwala KL, Ueda K, Akagi T, Shoda K, Usui T, Hashikawa T, Osada H, Delgado-Escueta AV, Yamakawa K.

  Human Molecular Genetics 2000 Sep; 9(15):2251.

  Application: IF, WB-Tr, Human, HeLa cells

- Mutations in a gene encoding a novel protein tyrosine phosphatase cause progressive myoclonus epilepsy.

  Minassian BA, Lee JR, Herbrick JA, Huizenga J, Soder S, Mungall AJ, Dunham I, Gardner R, Fong CY, Carpenter S, Jardim L, Satishchandra P, Andermann E, Snead OC 3rd, Lopes-Cendes I, Tsui LC, Delgado-Escueta AV, Rouleau GA, Scherer SW.

  Nature Genetics 1998 Oct; 20(2):171.

Disease

- Epilepsy
- Lafora Disease