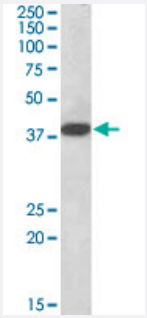
EPM2A polyclonal antibody

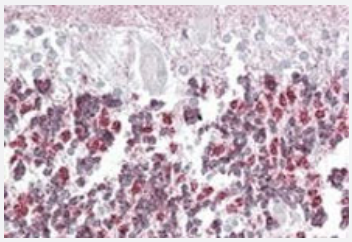
Catalog # PAB11469 Size 100 ug

Applications



Western Blot (Tissue lysate)

EPM2A polyclonal antibody (Cat # PAB11469) (0.1 ug/mL) staining of human cerebellum lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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

EPM2A polyclonal antibody (Cat # PAB11469) (3.8 ug/mL) staining of paraffin embedded human cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of EPM2A.
Immunogen	A synthetic peptide corresponding to internal region of human EPM2A.
Sequence	C-EATGHTNEMKHTTD
Host	Goat
Theoretical MW (kDa)	37.2, 35.5
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2.5-3.8 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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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- Enzyme-linked Immunoabsorbent Assay

Gene Info — EPM2A

Entrez GeneID	7957
Protein Accession#	NP_005661.1
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

- Lafora disease proteins malin and laforin are recruited to aggresomes in response to proteasomal impairment.

  Mittal S, Dubey D, Yamakawa K, Ganesh S.

  Human Molecular Genetics 2007 Apr; 16(7):753.

  Application: IF, Human, Monkey, COS-7, HEK 293 cells

Disease

- Epilepsy
- Lafora Disease