

Rabbit EPM2A Polyclonal Antibody | anti-EPM2A antibody

EPM2A Antibody

CATALOG # AAA39383	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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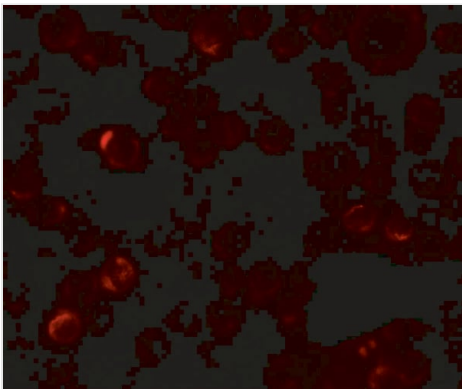
PRODUCT SYNONYMS

EPM2A; Polyclonal Antibody; EPM2A Antibody; EPM2; MELF; Laforin; Lafora PTPase; LAFPTPase; epilepsy; progressive myoclonus type 2A; Lafora disease (laforin); anti-EPM2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least four isoforms of EPM2A are known to exist; this antibody will detect all but the shortest isoform.
Purity/Purification	EPM2A Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	331
Applicable Applications for anti-EPM2A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	EPM2A antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human EPM2A.
Buffer	EPM2A Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	EPM2A antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

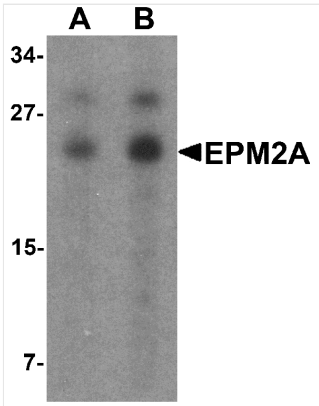
IMAGES



IF (Immunofluorescence)
Immunofluorescence of EPM2A in SW480 cells with EPM2A antibody at 5 μg/ml.



ICC (Immunocytochemistry)
Immunocytochemistry of EPM2A in SW480 cells with EPM2A antibody at 2.5 μg/ml.



WB (Western Blot)
Western blot analysis of SW480 in SW480 cell lysate with EPM2A antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-EPM2A antibody

EPM2A Antibody: The Epilepsy, progressive myoclonus type 2A protein (EPM2A) is a dual-specificity phosphatase that associates with polyribosomes. Mutations in this gene have been associated with myoclonic epilepsy of Lafora. EPM2A interacts with a number of proteins known to be involved in glycogen metabolism and has been shown to have robust phosphatase activity against a phosphorylated complex carbohydrate, suggesting that EPM2A may be involved in the regulation of glycogen metabolism.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321613
NCBI GeneID	7957
NCBI Accession #	NP_005661
NCBI GenBank Nucleotide #	NM_005670.3
UniProt Accession #	O95278; O95483; Q5T3F5; Q6IS15; Q8IU96; Q8IX24; Q8IX25; Q9BS66; Q9UEN2; B3KMU5; B4DRZ2; B3EWF7
Molecular Weight	36 kDa
NCBI Official Full Name	laforin isoform a
NCBI Official Synonym Full Names	epilepsy, progressive myoclonus type 2A, Lafora disease (laforin)
NCBI Official Symbol	EPM2A

NCBI Official Synonym Symbols	EPM2; MELF
NCBI Protein Information	laforin; EPM2A; LAFPTPase; lafora PTPase; glucan phosphatase; epilepsy, progressive myoclonus type 2, Lafora disease (laforin)
UniProt Protein Name	Laforin
UniProt Gene Name	EPM2A
UniProt Synonym Gene Names	LAFPTPase
UniProt Entry Name	EPM2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/epm2a-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/39383>