

Rabbit anti-Human Laforin Polyclonal Antibody | anti-EPM2A antibody

Rabbit anti-human Laforin polyclonal Antibody(EPM2A)

CATALOG # AAA119173	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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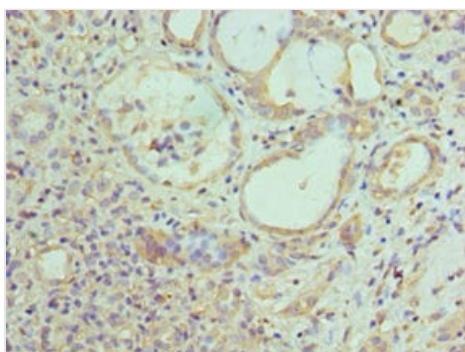
PRODUCT SYNONYMS

Laforin; Polyclonal Antibody; Rabbit anti-human Laforin polyclonal Antibody(EPM2A); Glucan phosphatase; Lafora PTPase; LAFPTPase; EPM2A; anti-EPM2A antibody

PRODUCT SPECIFICATIONS

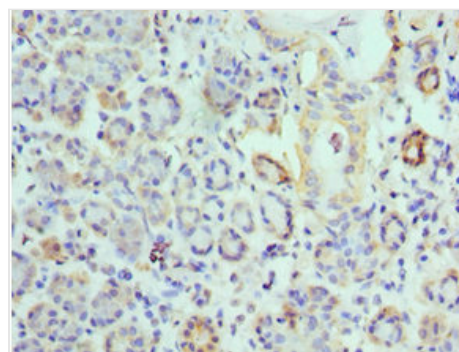
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	317
Applicable Applications for anti-EPM2A antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Laforin protein(244-331aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-70291 / sc-70293 / sc-130799 / sc-98562
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney using AAA119173 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human salivary gland using AAA119173 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-EPM2A antibody	Has both dual-specificity protein phosphatase and glucan phosphatase activities. Together with the E3 ubiquitin ligase NHLRC1/malin, appears to be involved in the clearance of toxic polyglucosan and protein aggregates via multiple pathways. Dephosphorylates phosphotyrosine, phosphoserine and phosphothreonine substrates in vitro. Has also been shown to dephosphorylate MAPT. Shows strong phosphatase activity towards complex carbohydrates in vitro, avoiding glycogen hyperphosphorylation which is associated with reduced branching and formation of insoluble aggregates. Forms a complex with NHLRC1/malin and HSP70, which suppresses the cellular toxicity of misfolded proteins by promoting their degradation through the ubiquitin-proteasome system (UPS). Acts as a scaffold protein to facilitate PPP1R3C/PTG ubiquitination by NHLRC1/malin. Also promotes proteasome-independent protein degradation through the macroautophagy pathway. Isoform 2, an inactive phosphatase, could function as a dominant-negative regulator for the phosphatase activity of isoform 1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	66346728
NCBI GeneID	7957
NCBI Accession #	NP_001018051.1
NCBI GenBank Nucleotide #	NM_001018041.1
UniProt Accession #	O95278; O95483; Q5T3F5; Q6IS15; Q8IU96; Q8IX24; Q8IX25; Q9BS66; Q9UEN2; B3KMU5; B4DRZ2; B3EWF7
Molecular Weight	35,169 Da
NCBI Official Full Name	laforin isoform b
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
UniProt Protein Name	Laforin
UniProt Gene Name	EPM2A
UniProt Synonym Gene Names	LAFPTase
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/laforin-antibody-immunohistochemistry-elisa/119173>