

Goat EPM2A / Laforin Polyclonal Antibody | anti-EPM2A antibody

Goat Polyclonal to Human EPM2A / Laforin

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51328	Goat	Bat, Gibbon, Bovine, Dog, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Xenopus (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

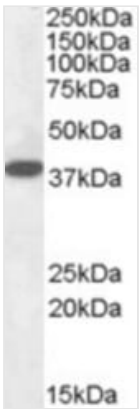
PRODUCT SYNONYMS

EPM2A / Laforin; Polyclonal Antibody; Goat Polyclonal to Human EPM2A / Laforin; Anti-EPM2A / Laforin Antibody (Internal) IHC-plus; EPM2A; EPM2; LAFPTPase; LDE; Lafora PTPase; MELF; Laforin; LD; Human EPM2A; anti-EPM2A antibody

PRODUCT SPECIFICATIONS

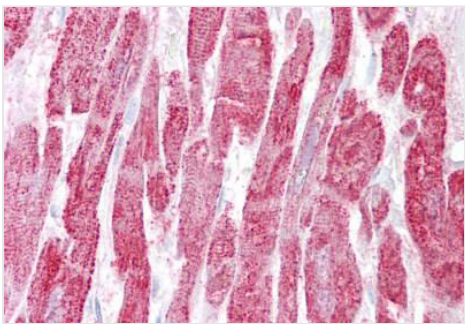
Host	Goat
Reactivity	Bat, Gibbon, Bovine, Dog, Human, Monkey, Mouse, Pig, Rabbit, Rat Predicted Reactivity: Xenopus (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human EPM2A. This antibody is expected to recognize isoform a (NP_005661.1) only.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	331
Applicable Applications for anti-EPM2A antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-EATGHTNEMKHTTD from an internal region of human EPM2A (NP_005661.1). Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Bovine, Bat, Dog, Rabbit, Pig, Opossum (100%); Xenopus (93%).
Immunogen Type	Synthetic peptide
Immunogen	EPM2A / Laforin antibody was raised against synthetic peptide C-EATGHTNEMKHTTD from an internal region of human EPM2A (NP_005661.1). Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Mouse, Rat, Elephant, Panda, Bovine, Bat, Dog, Rabbit, Pig, Opossum (100%); Xenopus (93%).
Antigen Modification	Internal
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.

IMAGES



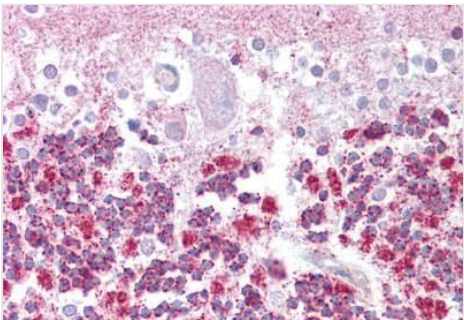
WB (Western Blot)

Antibody (0.1 ug/ml) staining of Human Cerebellum lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-EPM2A antibody IHC of human heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.



IHC (Immunohistochemistry)

Anti-EPM2A antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-EPM2A antibody	Lafora's disease, an autosomal recessive progressive myoclonus epilepsy, is caused by mutations in exons 1 and 4 of EPM2A gene. EPM2A encodes laforin which is a dual-specificity protein phosphatase located at the plasma membrane and the endoplasmic reticulum and is associated primarily with polyribosomes. EPM2A is functionally conserved in mammals and is involved in growth and maturation of neural networks.
Product Categories/Family for anti-EPM2A antibody	Family: Protein Phosphatase ; Subfamily: Laforin

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321613
NCBI GeneID	7957
NCBI Accession #	NP_005661.1
NCBI GenBank Nucleotide #	NM_005670.3
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 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-laforin-antibody-western-blot-immunohistochemistry-elisa/51328>