

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

EPM2A Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA280246 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

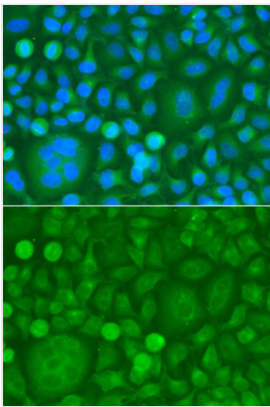
### PRODUCT SYNONYMS

EPM2A; Polyclonal Antibody; EPM2A Polyclonal Antibody; EPM2; MELF; anti-EPM2A antibody

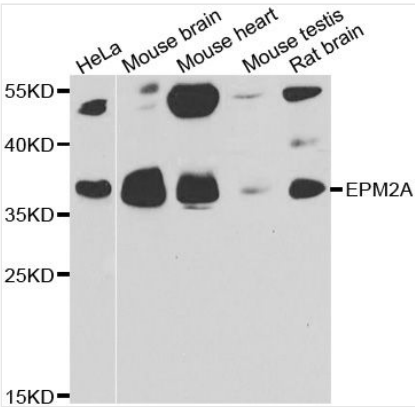
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                   |
| Purity/Purification                             | Affinity Purification                                                                                                                                 |
| Concentration                                   | 1mg/ml (varies by lot)                                                                                                                                |
| Sequence Length                                 | 331                                                                                                                                                   |
| Applicable Applications for anti-EPM2A antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Species                                         | Human                                                                                                                                                 |
| Immunogen                                       | Recombinant Protein                                                                                                                                   |
| Immunogen                                       | Recombinant protein of human EPM2A                                                                                                                    |
| Calculated Molecular Weight                     | 35kDa                                                                                                                                                 |
| Preparation and Storage                         | Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence analysis of HeLa cells using EPM2A antibody. Blue: DAPI for nuclear staining.



**WB (Western Blot)**  
Western blot analysis of extracts of various cell lines, using EPM2A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-EPM2A antibody | This gene encodes a dual-specificity phosphatase that associates with polyribosomes. The encoded 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 transcript variants. |
| Product Categories/Family for anti-EPM2A antibody   | Polyclonal                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 50400258                                                                                                                       |
| NCBI GeneID                      | 7957                                                                                                                           |
| UniProt Accession #              | O95278; O95483; Q5T3F5; Q6IS15; Q8IU96; Q8IX24; Q8IX25; Q9BS66; Q9UEN2; B3KMU5; B4DRZ2; B3EWF7                                 |
| Molecular Weight                 | 331                                                                                                                            |
| NCBI Official Full Name          | Laforin                                                                                                                        |
| 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.