# **GPM6A** Polyclonal Antibody

Catalog Number: E-AB-63925



*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

| Description  |   |
|--------------|---|
| Reactivity   | Human,Mouse                                       |
| Immunogen    | A synthetic peptide of human GPM6A (NP_005268.1). |
| Host         | Rabbit  |
| Isotype      | IgG   |
| Purification | Affinity purification                             |
| Conjugation  | Unconjugated                                      |
| Formulation  | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Applications | Recommended Dilution                              |
| WB           | 1:500-1:2000                                      |
| IHC          | 1:50-1:200  |
| Data         |   |



Western blot analysis of extracts of U-87MG cells using GPM6A Polyclonal Antibody at dilution of 1:1000. **Observed Mw:31kDa** 

Calculated Mw:29kDa/30kDa/31kDa



Immunohistochemistry of paraffin-embedded Mouse stomach using GPM6A Polyclonal Antibody at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded Human stomach using GPM6A Polyclonal Antibody at dilution of 1:100 (40x lens).

## **Preparation & Storage**

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

#### **Background**

Neuronal membrane glycoprotein M6-ais aproteinthat in humans is encoded by theGPM6Agene. Involved in neuronal differentiation, including differentiation and migration of neuronal stem cells. Plays a role in neuronal plasticity and is

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involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation. GPM6A-induced filopodia formation involves mitogen-activated protein kinase (MAPK) and Src signaling pathways. May be involved in neuronal NGF-dependent Ca2+ influx. May be involved in regulation of endocytosis and intracellular trafficking of G-protein-coupled receptors (GPCRs); enhances internalization and recycling of mu-type opioid receptor.

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