

## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB10558 - Goat Anti-GPM6A Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** GPM6A, glycoprotein M6A, GPM6, M6A, neuronal membrane glycoprotein M6-a

**Official Symbol:** GPM6A

**Accession Number(s):** NP\_005268.1; NP\_963885.1; NP\_963886.1

**Human GeneID(s):** [2823](#)

**Non-Human GeneID(s):** 234267 (mouse), 306439 (rat)

**Important Comments:** This antibody is expected to recognize all reported isoforms (NP\_005268.1; NP\_963885.1; NP\_963886.1). Reported variants represent identical protein: NP\_963885.1, NP\_005268.1.

### Immunogen

Peptide with sequence C-QTYFEMARTAGD, from the internal region of the protein sequence according to NP\_005268.1; NP\_963885.1; NP\_963886.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 33kDa band observed in Human Brain (Cerebellum) and Rat Brain lysates. An approx. 75kDa band was also observed in Human Cerebellum, Olfactory Bulb and in fetal Mouse and Rat Brain lysates (calculated MW of 31.2kDa according to Human NP\_005268.1 and Rat NP\_835206.1, and 31.1kDa according to Mouse NP\_705809.1).

The observed 75kDa band corresponds to the glycosylated form. Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.

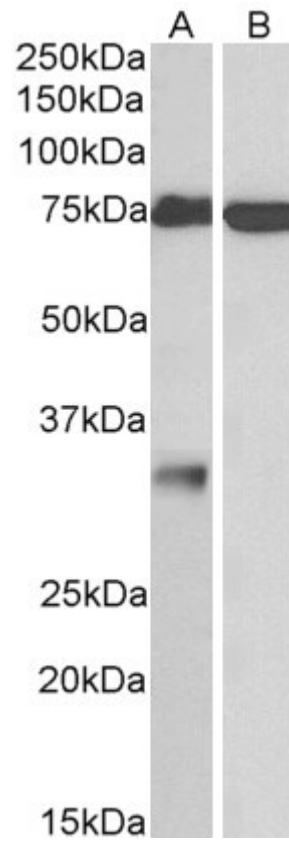
**IHC:** Paraffin embedded Human Brain (Cerebellum). Recommended concentration: 3.75µg/ml.

This product has been demonstrated not suitable in IF.

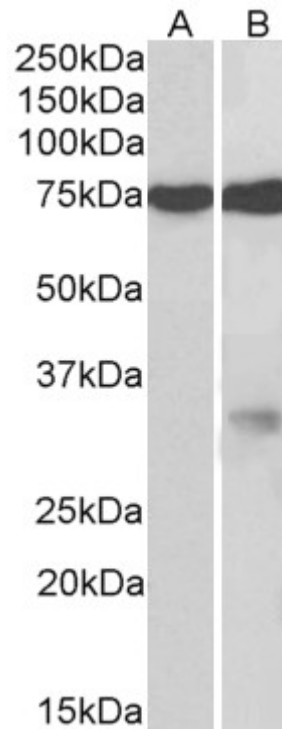
### Species Reactivity

**Tested:** Human, Mouse, Rat

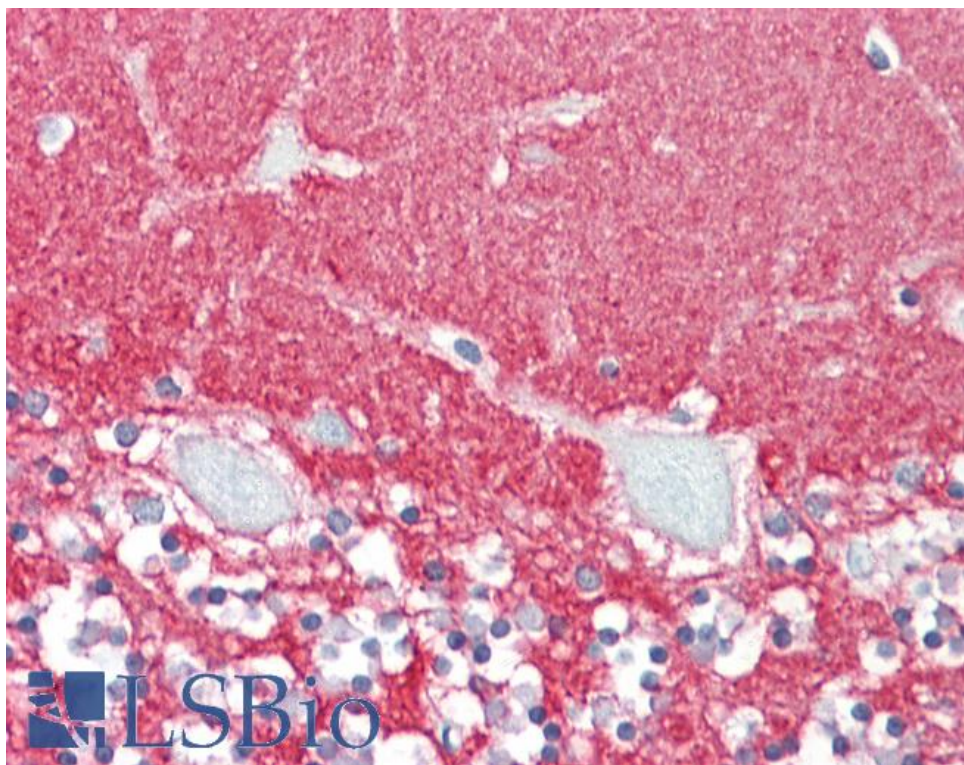
**Expected from sequence similarity:** Human, Mouse, Rat, Dog



EB10558 (1 $\mu$ g/ml) staining of Human Cerebellum (A) and Olfactory Bulb (B) lysates (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10558 (2 $\mu$ g/ml) staining of fetal Mouse (A) and Rat (B) Brain lysates (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB10558 (3.75µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.