

## Product datasheet for **TA808759AM**

### Gemin 2 (GEMIN2) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI4B3]

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Clone Name:             | OTI4B3  |
| Applications:           | IHC, WB   |
| Recommended Dilution:   | WB 1:2000, IHC 1:150  |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Mouse   |
| Isotype:                | IgG1  |
| Clonality:              | Monoclonal  |
| Immunogen:              | Full length human recombinant protein of human GEMIN2(NP_003607) produced in E.coli.  |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| Concentration:          | 0.5 mg/ml   |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| Conjugation:            | Biotin  |
| Storage:                | Store at -20°C as received.   |
| Stability:              | Stable for 12 months from date of receipt.  |
| Predicted Protein Size: | 31.4 kDa  |
| Gene Name:              | gem nuclear organelle associated protein 2  |
| Database Link:          | <a href="#">NP_003607</a><br><a href="#">Entrez Gene 66603 Mouse</a> <a href="#">Entrez Gene 84404 Rat</a> <a href="#">Entrez Gene 8487 Human</a><br><a href="#">O14893</a>   |
| Background:             | This gene encodes one of the proteins found in the SMN complex, which consists of several gemin proteins and the protein known as the survival of motor neuron protein. The SMN complex is localized to a subnuclear compartment called gems (geminini of coiled bodies) and is required for assembly of spliceosomal snRNPs and for pre-mRNA splicing. This protein interacts directly with the survival of motor neuron protein and it is required for formation of the SMN complex. A knockout mouse targeting the mouse homolog of this gene exhibited disrupted snRNP assembly and motor neuron degeneration. [provided by RefSeq, Aug 2011] |

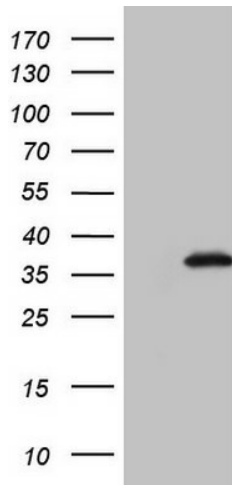


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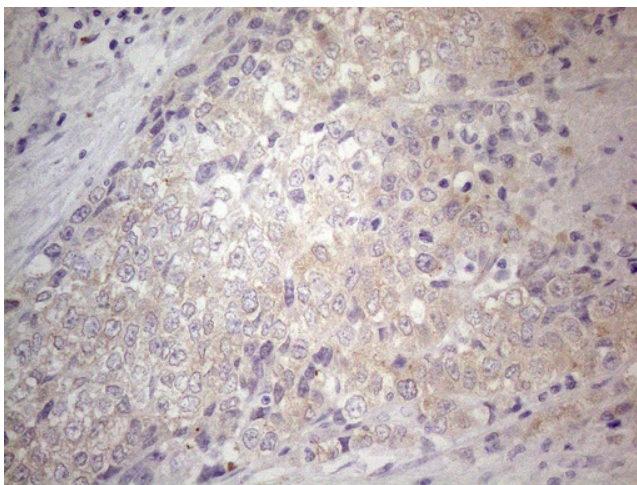
**Synonyms:** SIP1; SIP1-delta

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

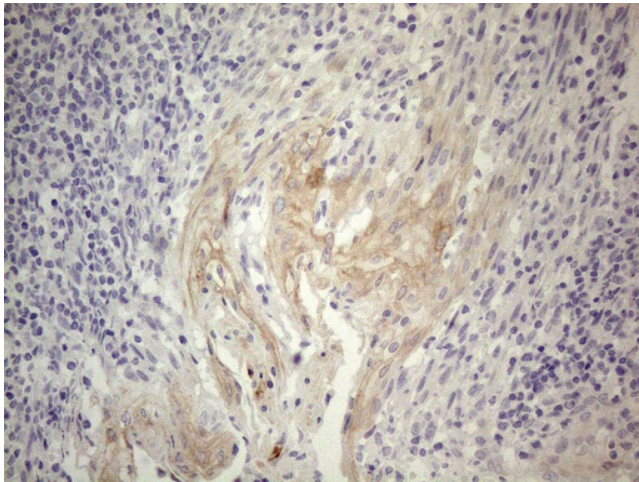
**Product images:**



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GEMIN2 ([RC211219], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GEMIN2 (1:2000). Positive lysates [LY418547] (100ug) and [LC418547] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-GEMIN2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808759]) (1:150)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-GEMIN2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA808759]) (1:150)