

## Product datasheet for **TA805764**

### **MARK3 Mouse Monoclonal Antibody [Clone ID: OTI2G8]**

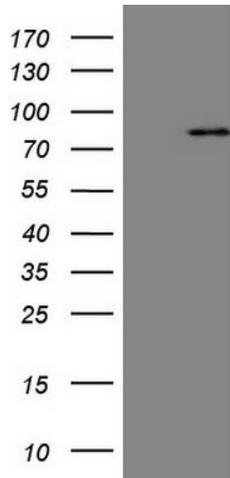
#### **Product data:**

|                                |  |
|--------------------------------|--|
| <b>Product Type:</b>           | Primary Antibodies   |
| <b>Clone Name:</b>             | OTI2G8   |
| <b>Applications:</b>           | IHC, WB  |
| <b>Recommend Dilution:</b>     | WB 1:2000, IHC 1:150   |
| <b>Reactivity:</b>             | Human  |
| <b>Host:</b>                   | Mouse  |
| <b>Isotype:</b>                | IgG1   |
| <b>Clonality:</b>              | Monoclonal   |
| <b>Immunogen:</b>              | Human recombinant protein fragment corresponding to amino acids 473-729 of human MARK3(NP_002367) produced in E.coli.  |
| <b>Formulation:</b>            | PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.   |
| <b>Concentration:</b>          | 1 mg/ml  |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| <b>Predicted Protein Size:</b> | 81.3 kDa   |
| <b>Gene Name:</b>              | microtubule affinity regulating kinase 3   |
| <b>Database Link:</b>          | <a href="#">NP_002367 Entrez Gene 4140 Human</a>   |
| <b>Background:</b>             | The protein encoded by this gene is activated by phosphorylation and in turn is involved in the phosphorylation of tau proteins MAP2 and MAP4. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011] |
| <b>Synonyms:</b>               | CTAK1; KP78; Par-1a; PAR1A   |
| <b>Protein Families:</b>       | Druggable Genome, Protein Kinase   |

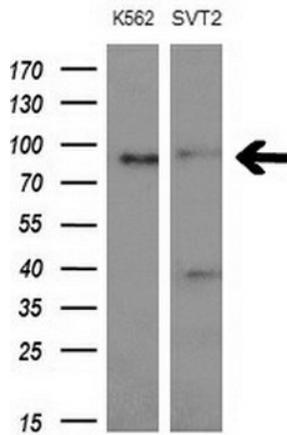


[View online »](#)

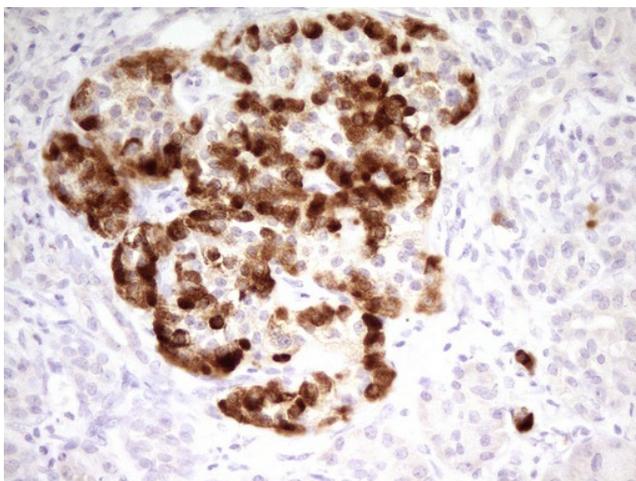
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MARK3 ([RC205758], 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-MARK3. Positive lysates [LY400851] (100ug) and [LC400851] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 2 different cell lines by using anti-MARK3 monoclonal antibody at 1:200 dilution.



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-MARK3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, TA805764)