

## Product datasheet for **TA801533AM**

### **RASGRP3 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2C11]**

#### **Product data:**

|                                |   |
|--------------------------------|---|
| <b>Product Type:</b>           | Primary Antibodies  |
| <b>Clone Name:</b>             | OTI2C11   |
| <b>Applications:</b>           | IHC, WB   |
| <b>Recommended Dilution:</b>   | WB 1:2000, IHC 1:150  |
| <b>Reactivity:</b>             | Human, Mouse, Rat   |
| <b>Host:</b>                   | Mouse   |
| <b>Isotype:</b>                | IgG2a   |
| <b>Clonality:</b>              | Monoclonal  |
| <b>Immunogen:</b>              | Human recombinant protein fragment corresponding to amino acids 380-690 of human RASGRP3 (NP_733772) produced in E.coli.  |
| <b>Formulation:</b>            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.  |
| <b>Concentration:</b>          | 0.5 mg/ml   |
| <b>Purification:</b>           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)   |
| <b>Conjugation:</b>            | Biotin  |
| <b>Storage:</b>                | Store at -20°C as received.   |
| <b>Stability:</b>              | Stable for 12 months from date of receipt.  |
| <b>Predicted Protein Size:</b> | 78.2 kDa  |
| <b>Gene Name:</b>              | RAS guanyl releasing protein 3  |
| <b>Database Link:</b>          | <a href="#">NP_733772</a><br><a href="#">Entrez Gene 25780 Human</a><br><a href="#">Q8IV61</a>  |
| <b>Background:</b>             | Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RASGRP3, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]). [supplied by OMIM, Mar 2008] |

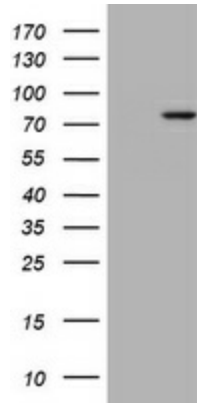


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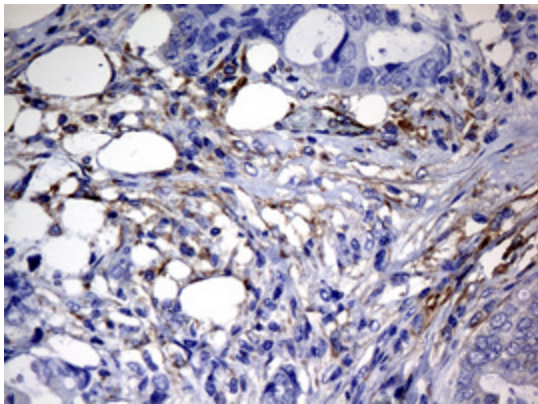
**Synonyms:** GRP3

**Protein Pathways:** B cell receptor signaling pathway, MAPK signaling pathway

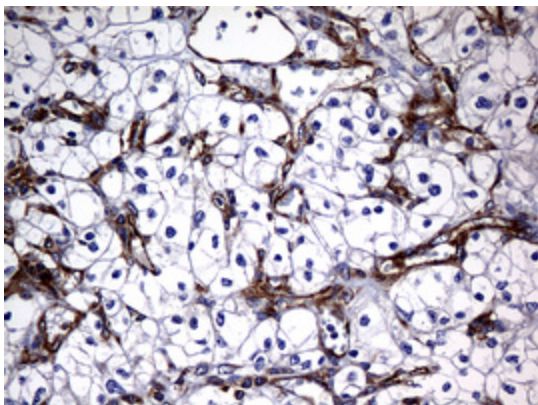
**Product images:**



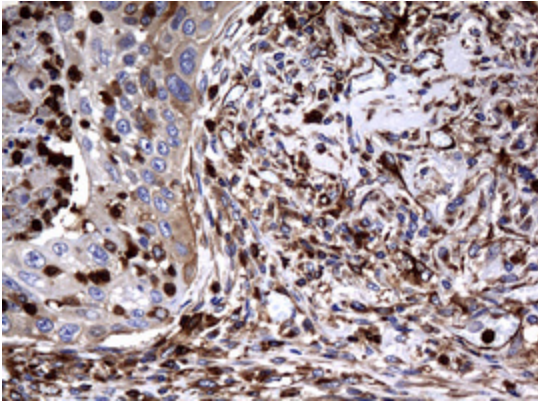
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY RASGRP3 (Cat# [RC206487], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-RASGRP3(Cat# [TA801533]). Positive lysates [LY403524] (100ug) and [LC403524] (20ug) can be purchased separately from OriGene.



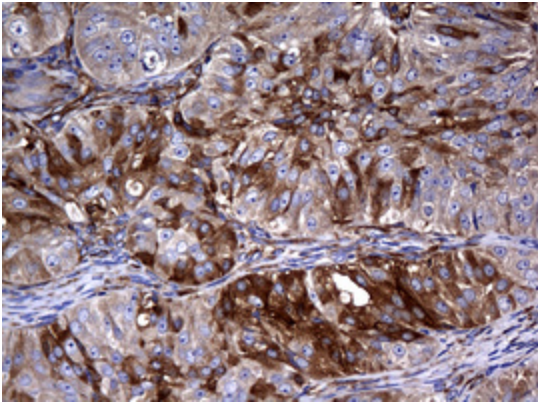
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])



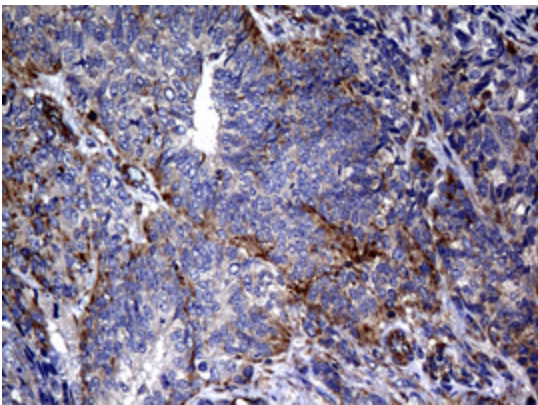
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])



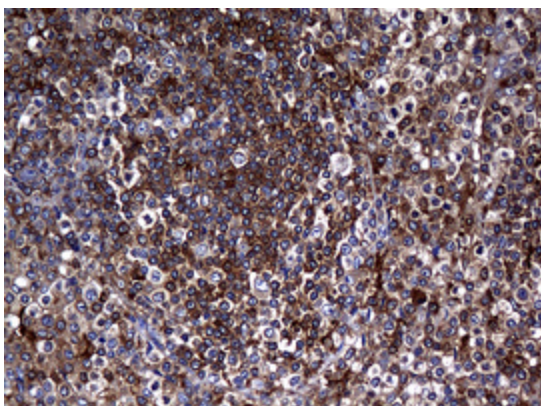
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])



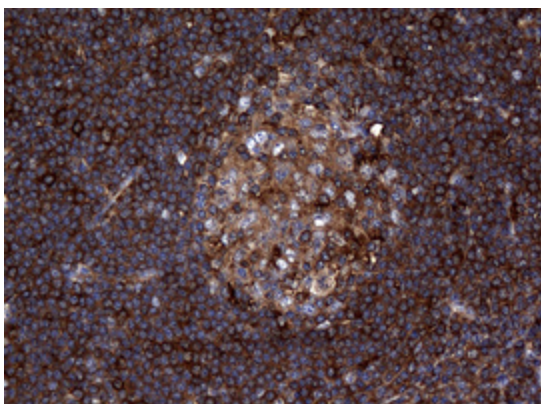
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-RASGRP3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA801533])