

## Product datasheet for **AM06107PU-N**

### **RAB25 Mouse Monoclonal Antibody [Clone ID: 3F12F3]**

#### **Product data:**

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | 3F12F3  |
| Applications:         | ELISA, IHC, WB  |
| Recommended Dilution: | <b>Western Blot:</b> 1/500 - 1/2000.<br><b>Immunohistochemistry on paraffin sections:</b> 1/200 - 1/1000.<br><b>ELISA:</b> 1/10000. |
| Reactivity:           | Human   |
| Host:                 | Mouse   |
| Isotype:              | IgG2a   |
| Clonality:            | Monoclonal  |
| Immunogen:            | Purified recombinant fragment of Rab25 expressed in E. Coli.  |
| Specificity:          | This antibody reacts to RAB25.  |
| Formulation:          | PBS<br>State: Purified<br>State: Liquid purified Ig fraction<br>Preservative: 0,03% sodium azide                                    |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | RAB25, member RAS oncogene family   |
| Database Link:        | <a href="#">Entrez Gene 57111 Human P57735</a>  |



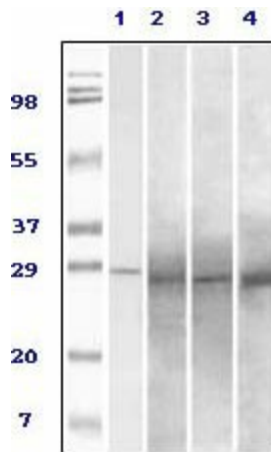
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**Background:**

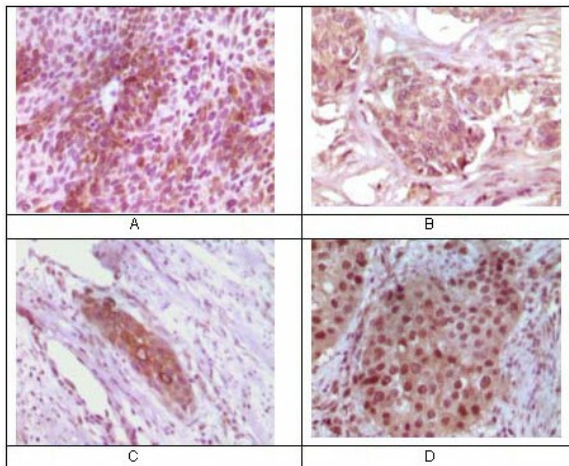
Members of the Ras-related superfamily of GTP binding proteins, which includes Ras, Rho, Rab and ARF subfamilies, exhibit 30-50% similarity with Ras p21. Rab proteins play an important role for either in endocytosis or in biosynthetic protein transport. The possibility that Rab proteins might also direct the exocytosis from secretory vesicles to the plasma membrane is supported by the observation that in yeast, the SEC4 protein, which is 40% similar to Rab proteins, is associated with secretory vesicles. Rab proteins located on the cytoplasmic face of organelles and vesicles, rab proteins are involved in intracellular membrane fusion reactions. Rab25 was cloned from a gastric parietal cell cDNA library and is expressed in epithelial tissues such as the gastrointestinal mucosae, kidney, and lung, which encoded a protein of 28 kDa

**Synonyms:**

Rab-25, CATX8, CATX-8

**Product images:**


Western blot analysis using Rab25 mouse mAb against truncated Rab25 recombinant protein (1), human ovarian carcinoma (2), stomach carcinoma (3), breast carcinoma (4) tissue lysate.



Immunohistochemical analysis of paraffin-embedded human bladder carcinoma (A), breast carcinoma (B), esophagus carcinoma (C), skin carcinoma (D) tissue, showing cytoplasmic localization using Rab25 mouse mAb with DAB staining.