

## Rab25 Monoclonal Antibody

*Member of the Ras-related superfamily of GTP binding proteins*

**CATALOG NO.:** 32-208

### **DESCRIPTION:**

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

### **CLONALITY:**

This is a monoclonal antibody. Clone 3F12F3.

### **ISOTYPE:**

IgG2a

### **HOST:**

Rab25 monoclonal antibody was raised in mouse. Please use anti-mouse secondary antibodies.

### **IMMUNOGEN:**

Ni-NTA purified recombinant Rab25 expressed in E. Coli strain BL21 (DE3).

### **PURIFICATION DETAILS:**

Antibody is purified by protein A affinity chromatography and resuspended in PBS with 0.2%BSA, 0.09% sodium azide.

### **TESTED APPLICATION:**

WB,E,IHC

### **APPLICATION DETAILS:**

Western Blot: 1: 500- 1: 2,000 IHC(P): 1: 500- 1: 2,000 IHC(F): 1: 500- 1: 2,000 ELISA: Proposed dilution 1: 10,000. Determining optimal working dilutions by titration test.

### **STORAGE:**

Rab25 monoclonal antibody can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

