

## Product datasheet for **TA384942**

### ALIX (PDCD6IP) Rabbit Monoclonal Antibody [Clone ID: R03-8C2]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | R03-8C2  |
| Applications:           | WB   |
| Recommended Dilution:   | WB: 1/1000-1/2000  |
| Reactivity:             | Human, Hamster, Rat  |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Monoclonal   |
| Immunogen:              | Recombinant protein of human ALIX  |
| Formulation:            | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| Concentration:          | lot specific   |
| Purification:           | Affinity Purified  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Stability:              | 1 year   |
| Predicted Protein Size: | Calculated MW: 96 kDa; Observed MW: 96 kDa   |
| Gene Name:              | programmed cell death 6 interacting protein  |
| Database Link:          | <a href="#">Entrez Gene 10015 Human Q8WUM4</a>   |



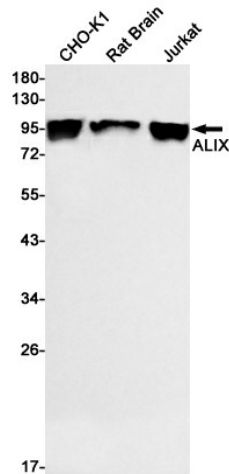
[View online »](#)

**Background:**

Swiss-Prot Acc.Q8WUM4. Multifunctional protein involved in endocytosis, multivesicular body biogenesis, membrane repair, cytokinesis, apoptosis and maintenance of tight junction integrity. Class E VPS protein involved in concentration and sorting of cargo proteins of the multivesicular body (MVB) for incorporation into intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome. Binds to the phospholipid lysobisphosphatidic acid (LBPA) which is abundant in MVBs internal membranes. The MVB pathway requires the sequential function of ESCRT-O, -I, -II and -III complexes (PubMed:14739459). The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis (PubMed:17853893, PubMed:17556548). Adapter for a subset of ESCRT-III proteins, such as CHMP4, to function at distinct membranes. Required for completion of cytokinesis (PubMed:17853893, PubMed:17556548, PubMed:18641129). May play a role in the regulation of both apoptosis and cell proliferation. Regulates exosome biogenesis in concert with SDC1/4 and SDCBP (PubMed:22660413). By interacting with F-actin, PARD3 and TJP1 secures the proper assembly and positioning of actomyosin-tight junction complex at the apical sides of adjacent epithelial cells that defines a spatial membrane domain essential for the maintenance of epithelial cell polarity and barrier .

**Synonyms:**

AIP1; Alix; DRIP4; Hp95; KIAA1375; MGC17003

**Product images:**

Western blot analysis of ALIX in CHO-K1, rat Brain, Jurkat lysates using ALIX antibody.