

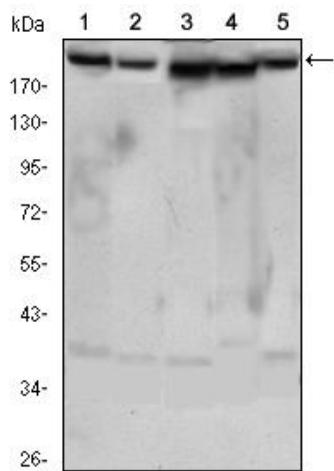


Rictor Monoclonal Antibody

| | |
|------------------------------------|---|
| Catalog No | YP-mAb-03420 |
| Isotype | IgG |
| Reactivity | Human;Mouse;Rat |
| Applications | WB |
| Gene Name | RICTOR |
| Protein Name | Rapamycin-insensitive companion of mTOR |
| Immunogen | Purified recombinant fragment of human Rictor expressed in E. Coli. |
| Specificity | Rictor Monoclonal Antibody detects endogenous levels of Rictor protein. |
| Formulation | Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol. |
| Source | Monoclonal, Mouse |
| Purification | Affinity purification |
| Dilution | Western Blot: 1/500 - 1/2000. |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | RICTOR; KIAA1999; Rapamycin-insensitive companion of mTOR; AVO3 homolog; hAVO3 |
| Calculated Molecular Weight | 192kD |
| Cell Pathway | cytosol, TORC2 complex, |
| Tissue Specificity | Amygdala, Brain, Epithelium, Lymph, |
| Function | function: Plays an essential role in embryonic growth and development (By similarity). Part of the TORC2 complex which plays a critical role in AKT1 'Ser-473' phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization., similarity: Belongs to the pianissimo family., subunit: Forms part of the target of rapamycin 2 complex (TORC2) comprised of FRAP1, LST8, PROTOR1, RICTOR and MAPKAP1. TORC2 does not bind to and is not sensitive to FKBP12-rapamycin. Binds directly to FRAP1 and PROTOR1 within the TORC2 complex. May interact with PROTOR2., |
| Background | RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbassov et al., 2004 [PubMed 15268862]).[supplied by OMIM, Mar 2008], |
| matters needing attention | Avoid repeated freezing and thawing! |

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis using Rictor Monoclonal Antibody against HeLa (1), PANC-1 (2), MOLT4 (3), HepG2 (4) and HEK293 (5) cell lysate.