

## Rabbit anti-Human, mouse RICTOR Polyclonal Antibody | anti-RICTOR antibody

Purified Rabbit Polyclonal Antibody (Pab)

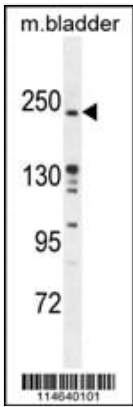
| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS |
|-----------|--------|--------------|--------------|
| AAA289723 | Rabbit | Human, mouse | Western Blot |

### PRODUCT SYNONYMS

RICTOR; Polyclonal Antibody; Purified Rabbit Polyclonal Antibody (Pab); Rapamycin-insensitive companion of mTOR; AVO3 homolog; hAVO3; RICTOR {ECO:0000312|EMBL:EAW559801}; anti-RICTOR antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                           |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                    |
| Reactivity                                       | Human, mouse                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                |
| Isotype                                          | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                      | This RICTOR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 805-835 amino acids from the Central region of human RICTOR.                     |
| Purity/Purification                              | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                      | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                    | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                               | 805-835                                                                                                                                                                                   |
| Sequence Length                                  | 1,732                                                                                                                                                                                     |
| Applicable Applications for anti-RICTOR antibody | WB (Western Blot)                                                                                                                                                                         |
| Antigen Type                                     | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                   | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                          | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |



WB (Western Blot)  
RICTOR Antibody (Center) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the RICTOR antibody detected the RICTOR protein (arrow).

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RICTOR antibody | Subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. mTORC2 is activated by growth factors, but, in contrast to mTORC1, seems to be nutrient- insensitive. mTORC2 seems to function upstream of Rho GTPases to regulate the actin cytoskeleton, probably by activating one or more Rho-type guanine nucleotide exchange factors. mTORC2 promotes the serum-induced formation of stress-fibers or F-actin. mTORC2 plays a critical role in AKT1 'Ser-473' phosphorylation, which may facilitate the phosphorylation of the activation loop of AKT1 on 'Thr-308' by PDK1 which is a prerequisite for full activation. mTORC2 regulates the phosphorylation of SGK1 at 'Ser-422'. mTORC2 also modulates the phosphorylation of PRKCA on 'Ser-657'. Plays an essential role in embryonic growth and development. |
| Product Categories/Family for anti-RICTOR antibody   | Cell Biology; Signal transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| References                                           | Pearce,L.R., Biochem. J. 405 (3), 513-522 (2007)<br>Yang,Q., Genes Dev. 20 (20), 2820-2832 (2006)<br>Jacinto,E., Cell 127 (1), 125-137 (2006)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 59891448                                               |
| NCBI GeneID                      | 253260                                                 |
| NCBI Accession #                 | NP_689969.2                                            |
| NCBI GenBank Nucleotide #        | NM_152756.4                                            |
| UniProt Accession #              | Q6R327; Q68DT5; Q86UB7; Q8N3A0; Q8NCM6; B2RNX0; B7ZMF7 |
| Molecular Weight                 | 192218                                                 |
| NCBI Official Full Name          | rapamycin-insensitive companion of mTOR isoform 1      |
| NCBI Official Synonym Full Names | RPTOR independent companion of MTOR, complex 2         |
| NCBI Official Symbol             | RICTOR                                                 |
| NCBI Official Synonym Symbols    | PIA; AVO3; hAVO3                                       |
| NCBI Protein Information         | rapamycin-insensitive companion of mTOR                |
| UniProt Protein Name             | Rapamycin-insensitive companion of mTOR                |
| UniProt Gene Name                | RICTOR                                                 |

|                            |             |
|----------------------------|-------------|
| UniProt Synonym Gene Names | hAVO3       |
| UniProt Entry Name         | RICTR_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rictor-antibody-western-blot-elisa/289723>