

Anti-RICTOR Rabbit pAb



WL04494

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

| | | |
|------------------------------|---|--------------|
| Product name | Anti-RICTOR Rabbit pAb | |
| Source | Rabbit | |
| Species reactivity | Human, Mouse, Rat | |
| Tested applications | WB | 1:500-1:1000 |
| | IHC | 1:200 |
| | IF | 1:200 |
| Cellular localization | Cytoplasm | |
| Pack size | 50/100/200/500/1000µl | |
| Storage | Store at -20°C. Avoid freeze/thaw cycles. | |
| Storage buffer | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide | |

General Information

Background

RICTOR, is a key component of the mTOR complex 2 (mTORC2) and is required for phosphorylation of Akt at serine 473. Rictor is overexpressed in several cancers leading to hyperactive mTORC2 and has been shown to play a causal role in glioma formation. The Rictor-FRAP complex plays a role in PKCα phosphorylation, directly phosphorylates Akt/PKB on Ser 473 in vitro and facilitates Thr 308 phosphorylation by PDK1. It also may function as a drug target in tumors that have lost expression of PTEN, a tumor suppressor that opposes activation of Akt/PKB.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of RICTOR.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

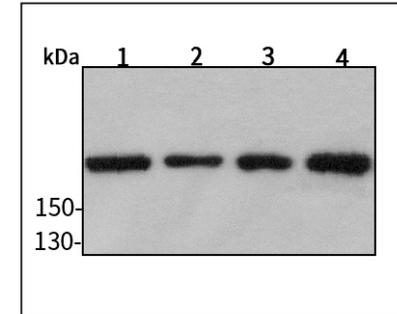
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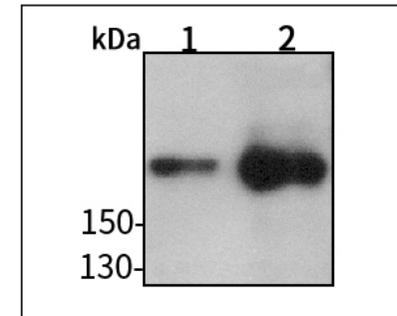
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Product Images



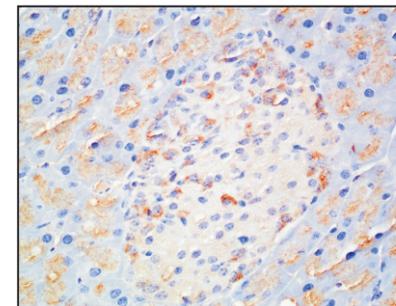
Western blot-Anti-RICTOR pAb

Lane 1: Human HeLa cell lysate
 Lane 2: Human MCF-7 cell lysate
 Lane 3: Human HEK-293 cell lysate
 Lane 4: Human A549 cell lysate
 All lanes: Anti-RICTOR at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 192 kDa
 Observed band size: 192 kDa



Western blot-Anti-RICTOR pAb

Lane 1: Mouse lung tissue lysate
 Lane 2: Rat colon tissue lysate
 All lanes: Anti-RICTOR at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 192 kDa
 Observed band size: 192 kDa



Immunohistochemistry-Anti-RICTOR pAb

Immunohistochemical analysis of paraffin-embedded rat pancreas using anti-RICTOR Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

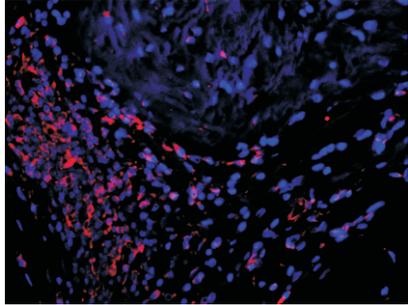


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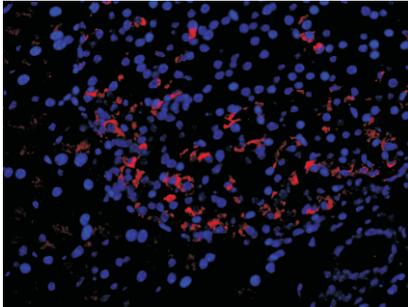
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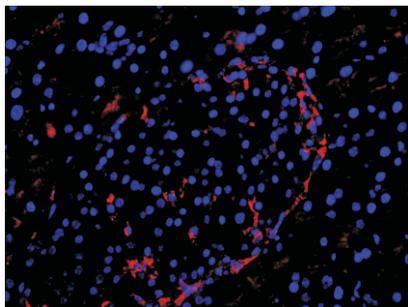
Immunofluorescence-Anti-RICTOR pAb

Immunofluorescence analysis of paraffin-embedded human breast cancer using anti-RICTOR Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-RICTOR pAb

Immunofluorescence analysis of paraffin-embedded mouse pancreas using anti-RICTOR Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-RICTOR pAb

Immunofluorescence analysis of paraffin-embedded rat pancreas using anti-RICTOR Rabbit Antibody at 1:200 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0