

## Rictor Monoclonal Antibody

<b>Catalog No :</b>	YM0560
<b>Reactivity :</b>	Human;Mouse;Monkey
<b>Applications :</b>	WB;IHC;IF;FCM;ELISA
<b>Target :</b>	Rictor
<b>Fields :</b>	>>mTOR signaling pathway
<b>Gene Name :</b>	RICTOR
<b>Protein Name :</b>	Rapamycin-insensitive companion of mTOR
<b>Human Gene Id :</b>	253260
<b>Human Swiss Prot No :</b>	Q6R327
<b>Mouse Gene Id :</b>	78757
<b>Mouse Swiss Prot No :</b>	Q6QI06
<b>Immunogen :</b>	Purified recombinant fragment of human Rictor expressed in E. Coli.
<b>Specificity :</b>	Rictor Monoclonal Antibody detects endogenous levels of Rictor protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. IF 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 192kD

**Cell Pathway :** mTOR;

**P References :**

1. Genes Dev. 2006 Oct 15;20(20):2820-32.
2. Biochem Biophys Res Commun. 2008 Aug 8;372(4):578-83.

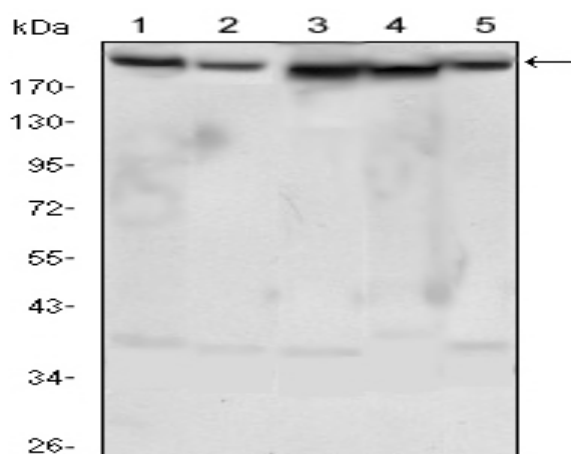
**Background :** RICTOR and MTOR (FRAP1; MIM 601231) are components of a protein complex that integrates nutrient- and growth factor-derived signals to regulate cell growth (Sarbasov et al., 2004 [PubMed 15268862]).[supplied by OMIM, Mar 2008],

**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.,

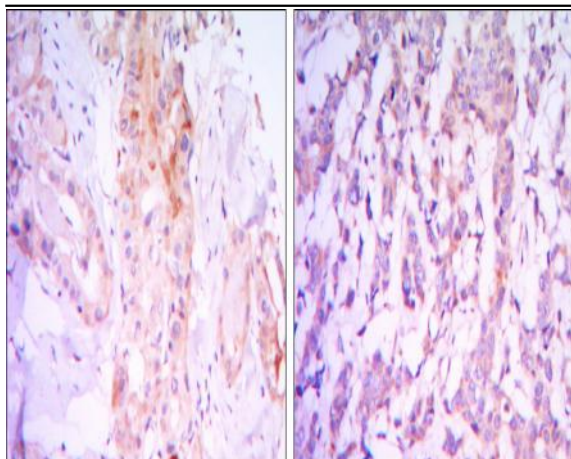
**Subcellular Location :** cytosol,TORC2 complex,

**Expression :** Amygdala,Brain,Epithelium,Lymph,

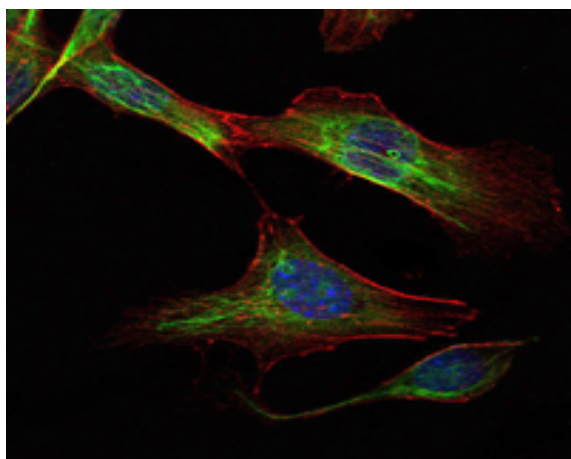
## Products Images



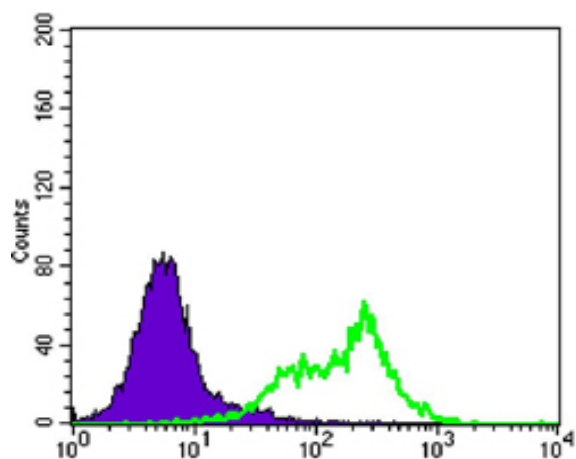
Western Blot analysis using Rictor Monoclonal Antibody against HeLa (1), PANC-1 (2), MOLT4 (3), HepG2 (4) and HEK293 (5) cell lysate.



Immunohistochemistry analysis of paraffin-embedded thyroid gland tissues (left) and human breast carcinoma (right) with DAB staining using Rictor Monoclonal Antibody.



Immunofluorescence analysis of NIH/3T3 cells using Rictor Monoclonal Antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HeLa cells using Rictor Monoclonal Antibody (green) and negative control (purple).