

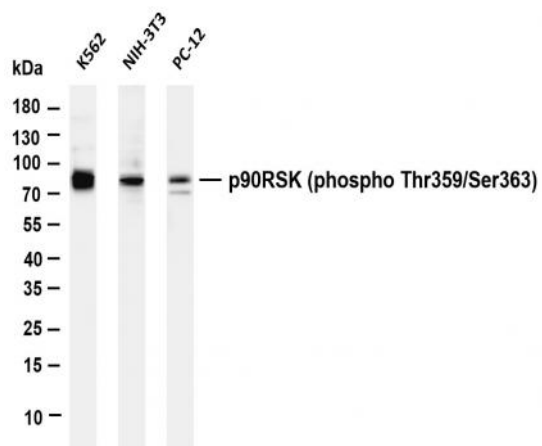
**p90RSK (phospho Thr359/Ser363) (PT0332R) PT® Rabbit mAb**

<b>Catalog No :</b>	YM8196
<b>Reactivity :</b>	Human; Mouse; Rat;
<b>Applications :</b>	WB;IHC;IF;IP;ELISA
<b>Target :</b>	Rsk-1
<b>Fields :</b>	>>MAPK signaling pathway;>>Oocyte meiosis;>>mTOR signaling pathway;>>Thermogenesis;>>Long-term potentiation;>>Neurotrophin signaling pathway;>>Progesterone-mediated oocyte maturation;>>Insulin resistance;>>Yersinia infection;>>Chemical carcinogenesis - receptor activation
<b>Gene Name :</b>	RPS6KA1
<b>Protein Name :</b>	Ribosomal protein S6 kinase alpha-1
<b>Human Gene Id :</b>	6195
<b>Human Swiss Prot No :</b>	Q15418
<b>Mouse Swiss Prot No :</b>	P18653
<b>Rat Gene Id :</b>	81771
<b>Rat Swiss Prot No :</b>	Q63531
<b>Specificity :</b>	endogenous
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Monoclonal, rabbit, IgG, Kappa
<b>Dilution :</b>	IHC 1:500-1:2000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200;
<b>Purification :</b>	Protein A

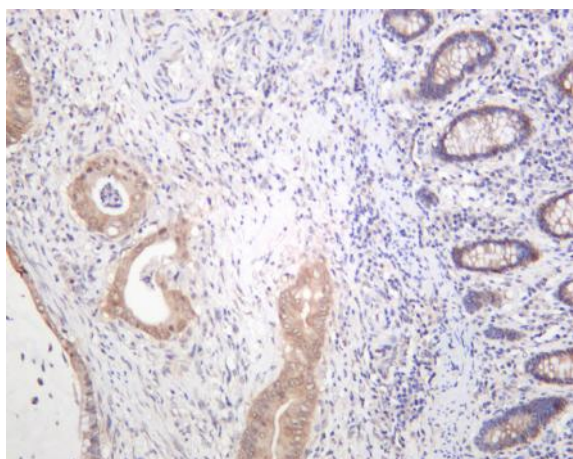
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<b>Storage Stability :</b>	<u>-15°C to -25°C/1 year(Do not lower than -25°C)</u>
<b>Molecularweight :</b>	<u>83kD</u>
<b>Observed Band :</b>	<u>83kD</u>
<b>Cell Pathway :</b>	<u>Regulates Angiogenesis; Insulin Receptor; B Cell Receptor; AMPK</u>
<b>Background :</b>	<u>ribosomal protein S6 kinase A1(RPS6KA1) Homo sapiens This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],</u>
<b>Function :</b>	<u>catalytic activity:ATP + a protein = ADP + a phosphoprotein.,caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,cofactor:Magnesium.,enzyme regulation:Activated by multiple phosphorylations on threonine and serine residues.,function:Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB.,PTM:Autophosphorylated on Ser-380, as part of the activation process.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 2 protein kinase domains.,subunit:Forms a complex with either ERK1 or ERK2 in quiescent cells. Transiently dissociates following mitogenic s</u>
<b>Subcellular Location :</b>	<u>Cytoplasm, Nucleus</u>
<b>Expression :</b>	<u>Colon,Epithelium,</u>

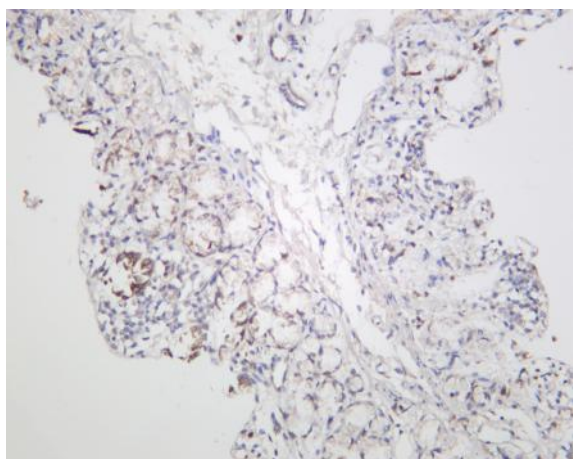
## Products Images



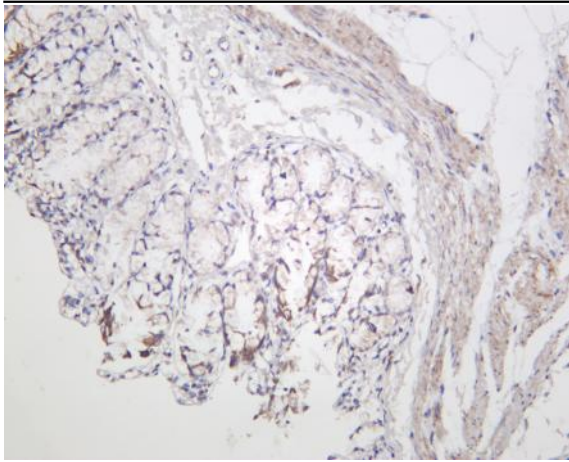
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-p90RSK (phospho Thr359/Ser363) (PT0067R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: NIH-3T3 Lane 3: PC-12 Predicted band size: 83kDa Observed band size: 83kDa



Human colon carcinoma was stained with anti-p90RSK (phospho Thr359/Ser363) rabbit antibody



Mouse colon was stained with anti-p90RSK (phospho Thr359/Ser363) rabbit antibody



Rat colon was stained with anti-p90RSK (phospho Thr359/Ser363) rabbit antibody