

## Anti-Phospho-AKT1-Thr450 antibody (390-470) (STJ90168)

STJ90168

### GENERAL INFORMATION

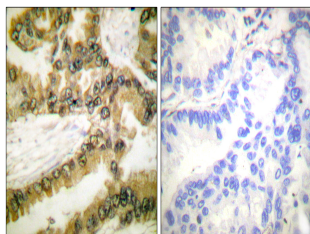
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Rabbit polyclonal antibody anti-Phospho-Rac-Alpha Serine/Threonine-Protein Kinase-Thr450 (390-470) is suitable for use in Western Blot, Immunohistochemistry, Immunofluorescence and ELISA research applications.
<b>Applications</b>	WB, IHC-P, IF-P, ELISA
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat

### PRODUCT PROPERTIES

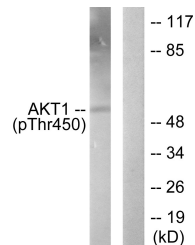
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	1 mg/mL
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	The antibody was affinity-purified from rabbit anti-serum by affinity-chromatography.
<b>Dilution</b>	WB 1:500-1:2000
<b>Range</b>	IHC 1:100-1:300 ELISA 1:5000
<b>Formulation</b>	PBS, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

### TARGET INFORMATION

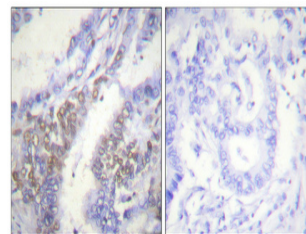
<b>Gene ID</b>	207
<b>Gene Symbol</b>	AKT1
<b>Uniprot ID</b>	AKT1_HUMAN
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Akt1 around the phosphorylation site of Thr450 at amino acid range 416-465
<b>Immunogen Region</b>	390-470
<b>Specificity</b>	Phospho-AKT1-Thr450 polyclonal antibody (Rac-Alpha Serine/Threonine-Protein Kinase) binds to endogenous Rac-Alpha Serine/Threonine-Protein Kinase at the amino acid region 390-470 only when phosphorylated at Thr450.
<b>Immunogen Sequence</b>	



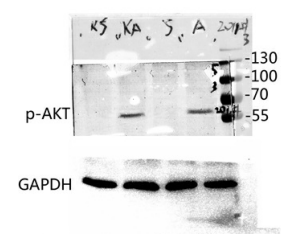
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Akt1 (Phospho-Thr450) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with PDGF 50ng/ml 20', using Akt1 (Phospho-Thr450) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°C overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of various lysis using Phospho-Akt1 (T450) Polyclonal Antibody diluted at 1: 1000. Secondary antibody was diluted at 1:20000

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
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