

## Anti-Phospho-AKT1-S473 antibody (STJ22011)

STJ22011

### GENERAL INFORMATION

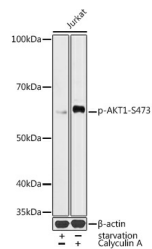
<b>Product Type</b>	Primary antibodies
<b>Short Description</b>	Rabbit polyclonal antibody anti-Phospho-AKT1-S473 is suitable for use in Western Blot and Immunohistochemistry.
<b>Applications</b>	WB, IHC
<b>Host/Source</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat

### PRODUCT PROPERTIES

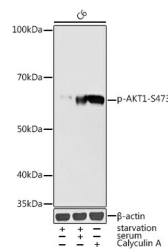
<b>Clonality</b>	Polyclonal
<b>Clone ID</b>	
<b>Concentration</b>	
<b>Conjugation</b>	Unconjugated
<b>Purification</b>	Affinity purification
<b>Dilution Range</b>	WB 1:500-1:2000 IHC 1:50-1:200
<b>Formulation</b>	PBS containing 0.02% Sodium Azide, 50% Glycerol, pH7.3.
<b>Isotype</b>	IgG
<b>Storage Instruction</b>	Store in a freezer at -20°C and avoid freeze-thaw cycles.

### TARGET INFORMATION

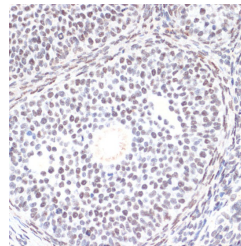
<b>Gene ID</b>	207
<b>Gene Symbol</b>	AKT1
<b>Uniprot ID</b>	AKT1_HUMAN
<b>Immunogen</b>	A phospho specific peptide corresponding to residues surrounding S473 of human AKT1
<b>Immunogen Region</b>	
<b>Specificity</b>	
<b>Immunogen Sequence</b>	



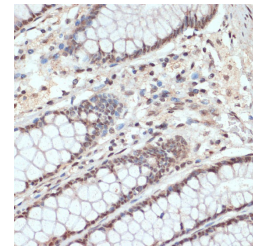
Western blot analysis of extracts of Jurkat cells, using Phospho-AKT1-S473 antibody (STJ22011) at 1:1000 dilution. Jurkat cells were treated by Serum-starvation overnight at 37 °C. Jurkat cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Western blot analysis of extracts of C6 cells, using Phospho-AKT1-S473 antibody (STJ22011) at 1:1000 dilution. C6 cells were treated by Serum-starvation overnight at 37 °C. C6 cells were treated by Calyculin A (100 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat ovary using Phospho-AKT1-S473 antibody (STJ22011) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using Phospho-AKT1-S473 antibody (STJ22011) at dilution of 1:200 (40x lens).

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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