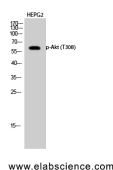


## Phospho-AKT1 (Thr308) Polyclonal Antibody

<b>Catalog No.</b>	E-AB-21082	<b>Reactivity</b>	H,M,R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Rabbit
<b>Applications</b>	WB,ELISA	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Western Blot analysis of HepG2 cells using Phospho-AKT1 (Thr308) Polyclonal Antibody at dilution of 1:1000

### Immunogen Information

<b>Immunogen</b>	Synthesized peptide derived from human Akt around the phosphorylation site of Thr308
<b>Swissprot</b>	P31749
<b>Synonyms</b>	AKT1,PKB,RAC,RAC-alpha serine/threonine-protein kinase,Protein kinase B,PKB,Protein kinase B alpha,PKB alpha,Proto-oncogene c-Akt,RAC-PK-alpha

### Product Information

<b>Calculated MW</b>	56kDa
<b>Observed MW</b>	56-60kDa
<b>Buffer</b>	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4
<b>Purify</b>	Affinity purification
<b>Dilution</b>	WB 1:500-1:2000, ELISA 1:40000

### Background

The serine-threonine protein kinase AKT1 is catalytically inactive in serum-starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet-derived growth factor. The activation is rapid and specific, and it is abrogated by mutations in the pleckstrin homology domain of AKT1. It was shown that the activation occurs through phosphatidylinositol 3-kinase. In the developing nervous system AKT is a critical mediator of growth factor-induced neuronal survival. Survival factors can suppress apoptosis in a transcription-independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery.

#### For Research Use Only

Thank you for your recent purchase.  
 If you would like to learn more about antibodies, please visit [www.elabscience.com](http://www.elabscience.com).

**Focus on your research  
 Service for life science**

Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.