

## AKT Antibody (F41829)

Catalog No.	Formulation	Size
F41829-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41829-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

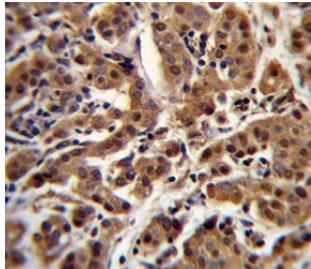
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Bovine, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P31749
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This AKT antibody is available for research use only.

AKT antibody western blot analysis in MCF-7 lysate

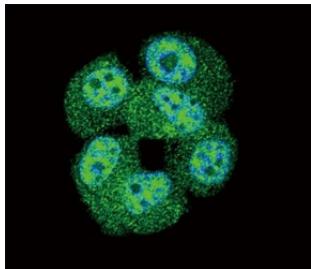
95  
72  
55 \*  
36  
28  
17



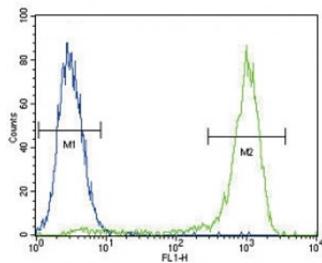
AKT antibody western blot analysis in mouse cerebellum tissue lysate



AKT antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma



Confocal immunofluorescent analysis of AKT antibody with MCF-7 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



AKT antibody flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat anti-rabbit secondary Ab was used for the analysis.

## Description

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. [RefSeq].

## Application Notes

Titration of the AKT antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 428-457 from human AKT1 was used as the immunogen for this AKT antibody.

## Storage

Aliquot the AKT antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

