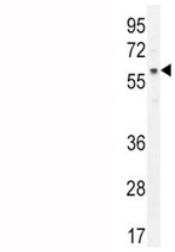
AKT Antibody (F41829)

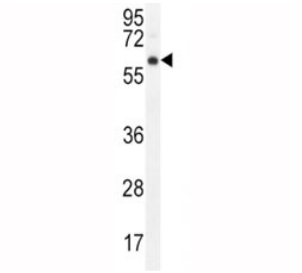
Catalog No.	Formulation	Size
F41829-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41829-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

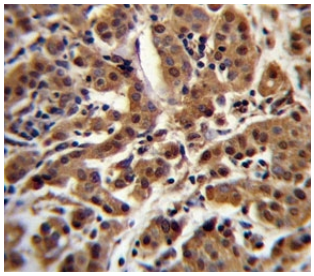
Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat, Bovine
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P31749
Applications	Western blot: 1:1000 IHC (Paraffin): 1:10-1:50 Immunofluorescence: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



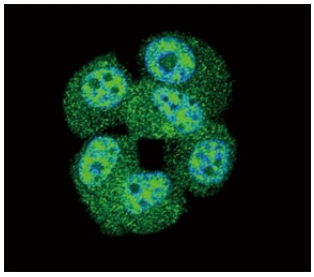
AKT antibody western blot analysis in MCF-7 lysate



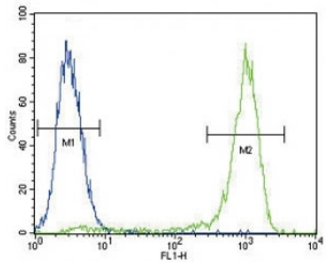
AKT antibody western blot analysis in mouse cerebellum tissue lysate



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].

For a microarray-validated AKT1 antibody supporting high-specificity detection, see our AKT1 antibody (clone AKT1/2552).

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 -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.