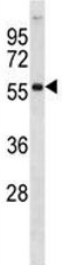
AKT2 Antibody (F50042)

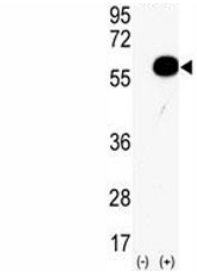
Catalog No.	Formulation	Size
F50042-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50042-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

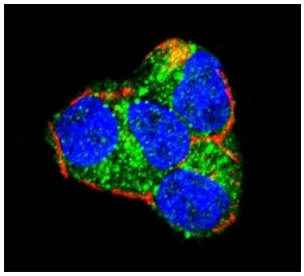
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P31751
Applications	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 IHC (Paraffin) : 1:10-1:50
Limitations	This AKT2 antibody is available for research use only.



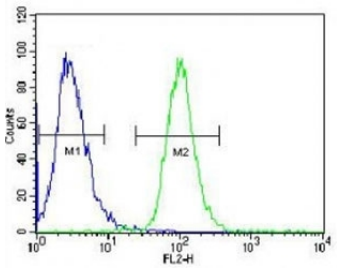
AKT2 antibody western blot analysis in 293 lysate. Predicted molecular weight: ~56kDa.



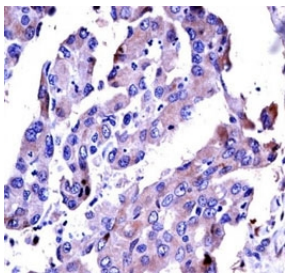
Western blot analysis of AKT2 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the human gene (2). Predicted molecular weight: ~56kDa.



Confocal immunofluorescent analysis of AKT2 antibody with 293 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red). DAPI was used as a nuclear counterstain (blue).



AKT2 antibody flow cytometric analysis of HeLa cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



AKT2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human lung adenocarcinoma.

Description

AKT2 is a putative oncogenic protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. Furthermore, AKT2 was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian tumors. Overexpression of AKT2 contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. AKT2 is a general protein kinase capable of phophorylating several known proteins.

Application Notes

Titration of the AKT2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 93-123 from the human protein was used as the immunogen for this AKT2 antibody.

Storage

Aliquot the AKT2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.