

## anti-Pan-AKT antibody

### Product Information

Catalog No.:	FNab10483
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Human AKT serine-threonine protein kinase family includes three members AKT1, AKT2, AKT3, which are also often referred to as protein kinase B alpha, beta, and gamma. These highly similar AKT proteins all have an N-terminal pleckstrin homology domain, a serine/threonine-specific kinase domain and a C-terminal regulatory domain. These proteins are phosphorylated by phosphoinositide 3-kinase (PI3K). AKT/PI3K forms a key component of many signalling pathways that involve the binding of membrane-bound ligands such as receptor tyrosine kinases, G-protein coupled receptors, and integrin-linked kinase. These AKT proteins therefore regulate a wide variety of cellular functions including cell proliferation, survival, metabolism, and angiogenesis in both normal and malignant cells. AKT proteins are recruited to the cell membrane by phosphatidylinositol 3,4,5-trisphosphate (PIP3) after phosphorylation of phosphatidylinositol 4,5-bisphosphate (PIP2) by PI3K. Subsequent phosphorylation of both threonine residue 308 and serine residue 473 is required for full activation of the AKT1 protein encoded by this gene.

### Immunogen information

Immunogen:	human AKT1/AKT2/AKT3
Synonyms:	AKT1/AKT2/AKT3
Observed MW:	60 kDa
Uniprot ID :	P31749/P31751/Q9Y243

### Wuhan Fine Biotech Co., Ltd.

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[www.fn-test.com](http://www.fn-test.com)

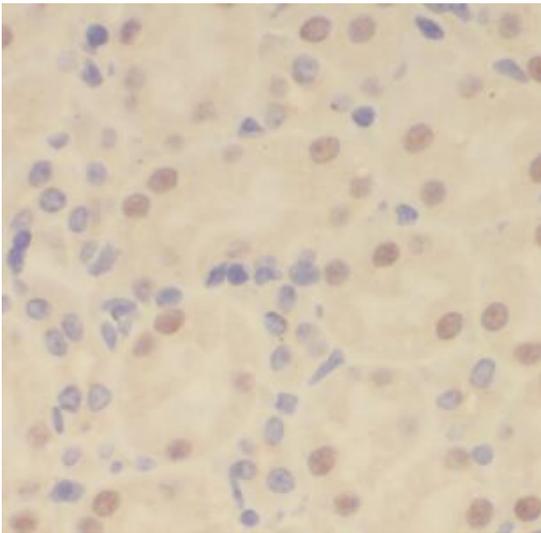
## Application

Reactivity: Human, Mouse, Rat

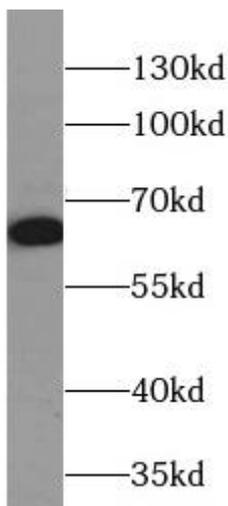
Tested Application: ELISA, WB, IHC, IF, IP

Recommended dilution: WB: 1:200-1:800; IHC: 1:20-1:100; IF: 1:20-1:100; IP: 1:20-1:100

Image:



Immunohistochemistry of paraffin-embedded rat kidney tissue slide using FNab10483( Pan-AKT Antibody) at dilution of 1:50



A549 cells were subjected to SDS PAGE followed by western blot with FNab10483( Pan-AKT Antibody) at dilution of 1:500

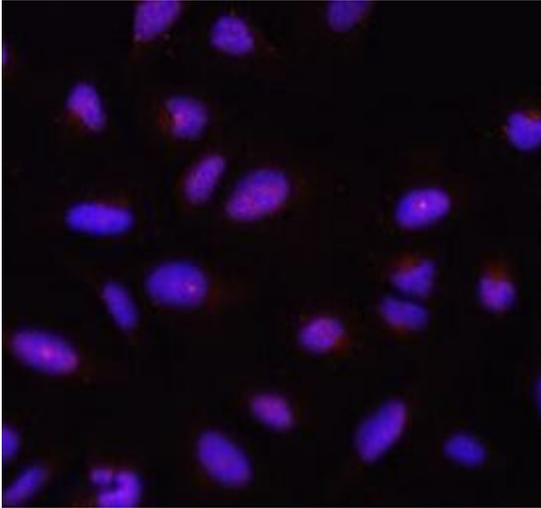
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Immunofluorescent analysis of U2OS cells using FNab10483( Pan-AKT Antibody) at dilution of 1:50.