

## Akt2 Monoclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-MCA0145
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Size</b>	50ul, 100ul
<b>Immunogen</b>	Purified recombinant fragment of human Akt2 expressed in E. Coli.
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human,Rat,Monkey
<b>Clonality</b>	Monoclonal
<b>Recommended application</b>	WB, IHC-p, IF, ICC, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	RAC-beta serine,threonine-protein kinase
<b>Synonyms</b>	AKT2; RAC-beta serine; threonine-protein kinase; Protein kinase Akt-2; Protein kinase B beta; PKB beta; RAC-PK-beta

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

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

### Recommended Dilution

ELISA: 1:10000

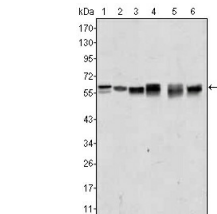
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

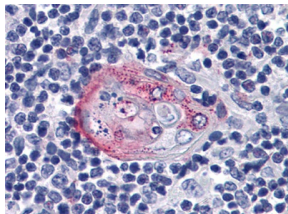
WB: 1:500 - 1:2000

Not yet tested in other applications.

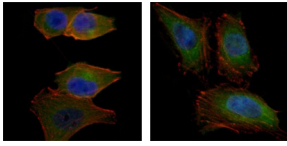
### Images



Western Blot analysis using Akt2 Monoclonal antibody against A431 (1) Jurkat (2) HEK293 (3) A549 (4) MCF-7 (5) and PC-12 (6) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Thymus tissues with AEC staining using Akt2 Monoclonal antibody.



Immunofluorescence analysis of PANC-1 (left) and HeLa (right) cells using Akt2 Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

### Storage

-20°C for one year

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