

Anti-AKT2 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

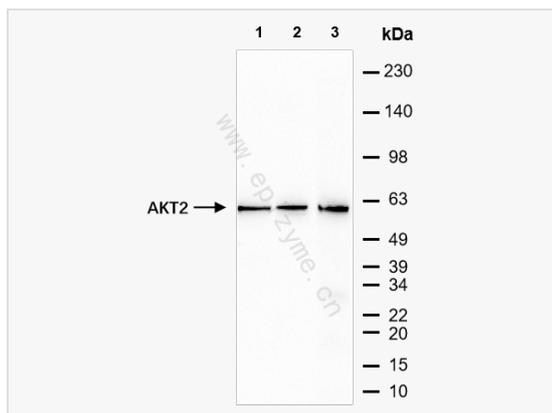
Catalog # M014279

Product Information

Application	IF (Cell)/ICC, ELISA, WB
Reactivity	Human, Mouse (Cell), Rat
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	62R26K21
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human AKT2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-AKT2 Mouse mAb [62R26K21] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AKT, Akt2, AKT2_HUMAN, HIHGHH, Murine thymoma viral (v-akt) homolog 2, murine thymoma viral (v-akt) homolog-2, Oncogene AKT2 protein kinase B beta, PKB, PKB beta, PKBB, PKBBETA, PRKBB, Protein kinase Akt 2, Protein kinase Akt-2, Protein kinase B beta, RAC beta, rac protein kinase beta, RAC-BETA, RAC-beta serine/threonine-protein kinase, RAC-PK-beta, RACbeta, v akt murine thymoma viral oncogene homolog 2, V-AKT murine thymoma viral oncogene homolog 2.
Calculated MW	Calculated MW: 56 kDa; Observed MW: 56 kDa
Uniprot ID	P31751
Gene ID	208
Background	AKT2 is a putative oncogene encoding a protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. AKT2 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.
Tissue Location	Expressed in all human cell types so far analyzed.



Western Blot - Anti-AKT2 Mouse mAb [62R26K21]

All lanes: M014279 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

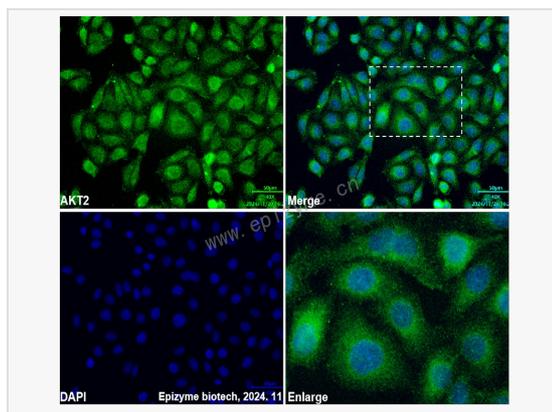
Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 56 kDa

Observed band size: 56 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-AKT2 Mouse mAb [62R26K21]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R011919 at 1:100 dilution

Secondary antibodies: Goat anti-Mouse (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).