

Anti-Phospho-AKT2 (Ser474) Rabbit pAb

Purified Rabbit Polyclonal Antibody

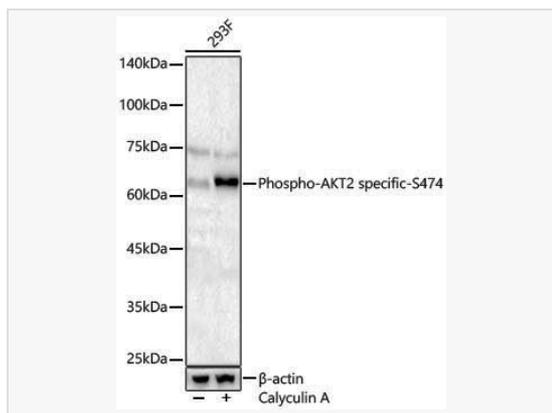
Catalog # P108647

Product Information

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| Application | WB, ELISA |
| Reactivity | Human |
| Dilution | WB 1:500~1:1,000 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthetic phosphorylated peptide around S474 of human AKT2 specific . |
| Format | Affinity purified polyclonal antibody supplied in PBS with 0.02% 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-Phospho-AKT2 (Ser474) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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|---------------|---|
| Synonyms | PKBB; PRKBB; HIHGHH; PKBBETA; RAC-BETA; Phospho-AKT2 specific-S474. |
| Calculated MW | Calculated MW: 56 kDa; Observed MW: 63 kDa/90 kDa |
| Uniprot ID | P31751 |
| Gene ID | 208 |
| 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, which is involved in signaling pathways. The gene serves as an oncogene in the tumorigenesis of cancer cells For example, its 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, and has also been implicated in insulin signaling. |



Western blot analysis of lysates from 293F cells using Phospho-AKT2 specific-S474 Rabbit pAb (P108647) at 1:900 dilution. 293F cells were treated by Calyculin A (50 nM) at 37°C for 30 minutes after serum-starvation overnight.

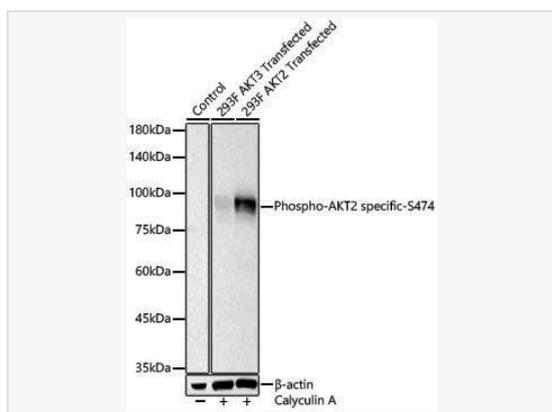
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit (SQ201).

Exposure time: 90s.



Western blot analysis of lysates from 293F cells using Phospho-AKT2 specific-S474

Rabbit pAb (P108647) at 1:900 dilution. 293F cells, 293F cells transfected with AKT3 and 293F cells transfected with AKT2 were treated by Calyculin A (50 nM) at 37°C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Kit (SQ201).

Exposure time: 1s.