Anti-Phospho-AKT2 (Ser474) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108647

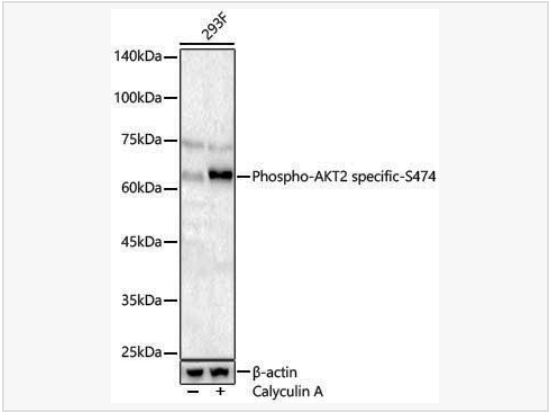
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1000
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.

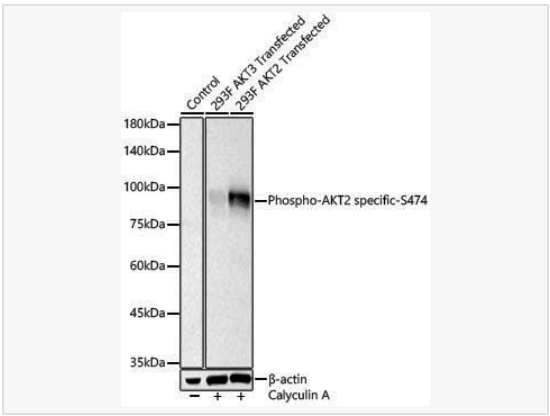
Protein Information

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 phophorylating several known proteins, and has also been implicated in insulin signaling.

Validation Images



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.
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.
Exposure time: 1s.