

Anti-AKT Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P012479

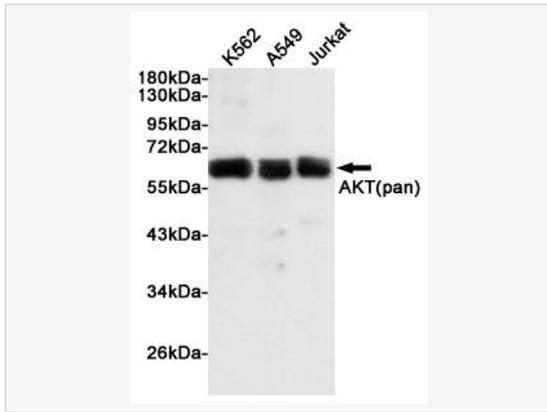
Product Information

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|-------------|---|
| Application | FC, ELISA, WB, IHC-P/IF (Tissue-P), ICC/IF (Cell), IP |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; IP 1:20; FC 1:50~1:100 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | A synthesized peptide derived from human AKT1/2/3 |
| Format | Buffer System: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Purification: Affinity Chromatography |
| 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-AKT antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

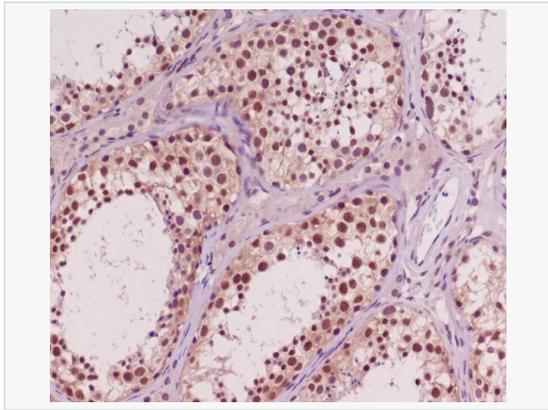
Protein Information

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|---------------|--|
| Synonyms | AKT1. |
| Calculated MW | Calculated MW: 56 kDa; Observed MW: 56 kDa |
| Uniprot ID | P31749, P31751, Q9Y243 |
| Gene ID | 207/208/10000 |
| Background | Akt, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. This protein kinase is activated by insulin and various growth and survival factors to function in a wortmannin-sensitive pathway involving PI3 kinase. Akt is activated by phospholipid binding and activation loop phosphorylation at Thr308 by PDK1 and by phosphorylation within the carboxy terminus at Ser473. |

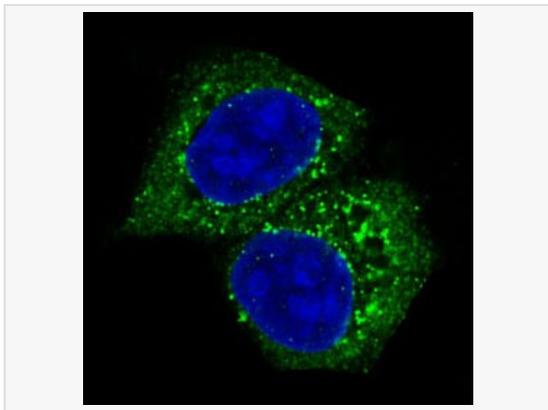
Validation Images



Western blot analysis of AKT in K562, A549 and Jurkat lysates using AKT antibody.



Immunohistochemistry analysis of paraffin-embedded Human testis using AKT antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunofluorescence analysis of AKT in MCF-7 using AKT antibody.