OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP02678PU-S

AKT2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Suitable for use in Western blot (1:500-1:1000) and Immunohistochemistry (1:50-1:100).
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized non-phosphopeptide derived from human Akt2 around the phosphorylation site of serine 474 (Q-F-S*p*-Y-S).
Specificity:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Akt2 antibody AP02678PU detects endogenous levels of total Akt2 protein.
Formulation:	PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02% Sodium Azide and 50% Glycerol. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	AKT serine/threonine kinase 2
Database Link:	Entrez Gene 208 Human P31751

View online »

Background: The serine/threonine kinase Akt (protein kinase B or PKB) has a central role in the regulation of several signaling pathways controlling cell proliferation, apoptosis, angiogenesis, and diabetes. In humans, there are three genes in the "Akt family": Akt1, Akt2, and Akt3. AKT2 is a putative oncogene and is a general protein kinase capable of phophorylating several known proteins. AKT2 is amplified and overexpressed in some human carcinomas. AKT2 acts primarily as a regulator of glucose metabolism.

Synonyms: RAC-PK-beta, Protein kinase Akt-2, Protein kinase B beta

Product images:

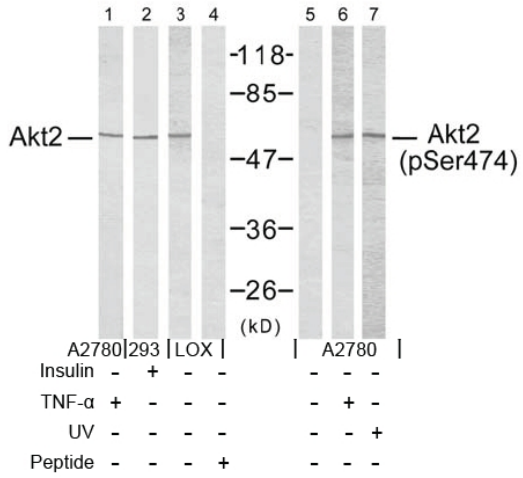

Figure 2. Western blot analysis using Akt2 antibody (Lane 1, 2, 3 and 4) and Akt2 (phospho-Ser474) antibody (Lane 5, 6 and 7).

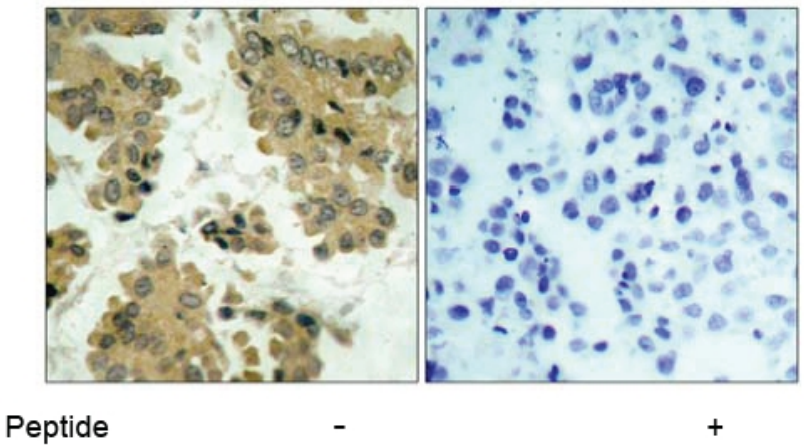

Figure 1. Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using Akt2 antibody.