



[Go to Product page](#)

Datasheet for ABIN3029482
anti-AKT3 antibody (AA 88-118)

3 Images

Overview

Quantity:	0.4 mL
Target:	AKT3
Binding Specificity:	AA 88-118
Reactivity:	Human, Mouse, Rat, Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 88-118 from the human protein was used as the immunogen for this AKT3 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	AKT3
Alternative Name:	AKT3 (AKT3 Products)
Background:	AKT3 is one of 3 closely related serine/threonine-protein kinases (AKT1, AKT2 and AKT3) called the AKT kinase, and which regulate many processes including metabolism, proliferation, cell survival, growth and angiogenesis. AKT3 is the least studied AKT isoform. It plays an important

Target Details

role in brain development and is crucial for the viability of malignant glioma cells. AKT3 isoform may also be the key molecule in up-regulation and down-regulation of MMP13 via IL13.

Required for the coordination of mitochondrial biogenesis with growth factor-induced increases in cellular energy demands. Down-regulation by RNA interference reduces the expression of the phosphorylated form of BAD, resulting in the induction of caspase-dependent apoptosis.

[UniProt]

UniProt: [Q9Y243](#)

Pathways: [PI3K-Akt Signaling](#), [RTK Signaling](#), [TLR Signaling](#), [Hepatitis C](#), [VEGF Signaling](#)

Application Details

Application Notes: Titration of the AKT3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

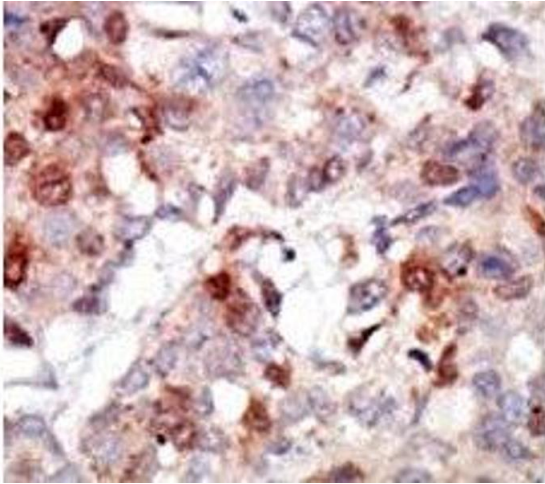
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

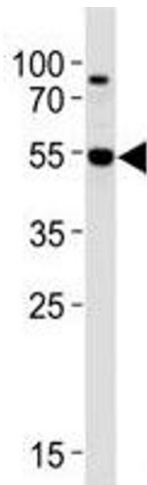
Storage: -20 °C

Storage Comment: Aliquot the AKT3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



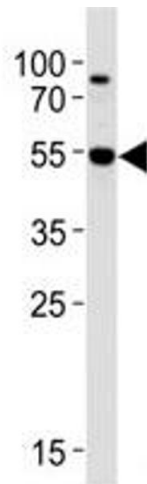
Immunohistochemistry

Image 1. IHC analysis of FFPE human breast carcinoma tissue stained with the AKT3 antibody



Western Blotting

Image 2. Western blot analysis of lysate from Jurkat cell line using AKT3 antibody at 1:1000.



Western Blotting

Image 3. Western blot analysis of lysate from Jurkat cell line using AKT3 antibody at 1:1000.