

Datasheet for ABIN3029481

anti-AKT3 antibody[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	AKT3
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AKT3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	This AKT3 antibody was produced from a mouse immunized with AKT3 recombinant protein.
Clone:	154CT4-5-3
Isotype:	IgG1 lambda
Purification:	Purified

Target Details

Target:	AKT3
Alternative Name:	AKT3 (AKT3 Products)
Background:	AKT3 is a member of the AKT, also called PKB, serine/threonine protein kinase family. AKT kinases are known to be regulators of cell signaling in response to insulin and growth factors. They are involved in a wide variety of biological processes including cell proliferation, differentiation, apoptosis, tumorigenesis, as well as glycogen synthesis and glucose uptake.

Target Details

This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1).

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: 1:100-1:500,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

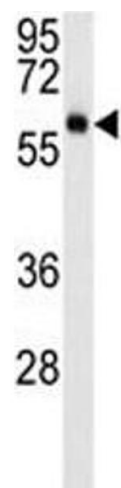
Storage Comment: Aliquot the AKT3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. AKT3 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue.



Western Blotting

Image 2. AKT3 western blot analysis in mouse NIH3T3 lysate (15ug/lane).