antibodies -online.com





Datasheet for ABIN659026

anti-AKT3 antibody

2 Images



Go to Product page

Ovarviaw				
()\ (\c) \ (\c) \ (\c) \ (\c)	$\overline{}$			
	/ h	10K	110	1 A I

Overview	
Quantity:	400 μL
Target:	AKT3
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This AKT3 monoclonal antibody is generated from mouse immunized with AKT3 recombinant
	protein.
Clone:	154CT4-5-3
Isotype:	IgG1 lambda
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
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

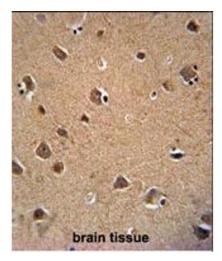
	This kinase has been shown to be stimulated by platelet-derived growth factor (PDGF), insulin, and insulin-like growth factor 1 (IGF1).
Molecular Weight:	55775
Gene ID:	10000
NCBI Accession:	NP_001193658, NP_005456, NP_859029
UniProt:	Q9Y243
Pathways:	PI3K-Akt Signaling, RTK Signaling, TLR Signaling, Hepatitis C, VEGF Signaling

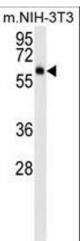
Application Details

Application Notes:	WB: 1:100~500. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. AKT3 Monoclonal Antibody (ABIN659026 and ABIN2838048) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the AKT3 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. AKT3 (ABIN659026 and ABIN2838048) western blot analysis in mouse NIH-3T3 cell line lysates (15 μ g/lane). This demonstrates the AKT3 antibody detected the AKT3 protein (arrow).