antibodies -online.com







anti-AKT2 antibody





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Overview		
Quantity:	400 μL	
Target:	AKT2	
Reactivity:	Human, Mouse	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This AKT2 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS)	
Product Details		
Immunogen:	This AKT2 antibody is generated from rabbits immunized with human AKT2 recombinant protein.	
Clone:	RB22732	
Isotype:	lg Fraction	
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.	
Target Details		
Target:	AKT2	
Alternative Name:	AKT2 (AKT2 Products)	
Background:	AKT2 is a putative oncogenic protein belonging to a subfamily of serine/threonine kinases containing SH2-like (Src homology 2-like) domains. Furthermore, AKT2 was shown to be amplified and overexpressed in 2 of 8 ovarian carcinoma cell lines and 2 of 15 primary ovarian	

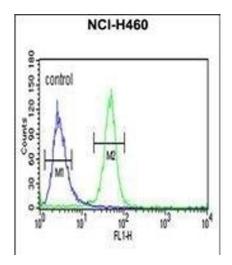
Target Details

	tumors. Overexpression of AKT2 contributes to the malignant phenotype of a subset of human ductal pancreatic cancers. AKT2 is a general protein kinase capable of phophorylating several known proteins.
Molecular Weight:	55769
Gene ID:	208
NCBI Accession:	NP_001617
UniProt:	P31751
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, TLR Signaling, Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process, Hepatitis C, VEGF Signaling

Application Details

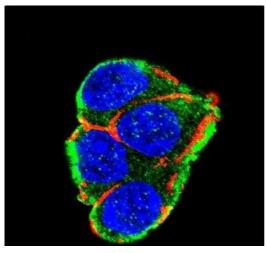
Format:	Liquid
Handling	
Restrictions:	For Research Use only
Application Notes:	IF: 1:10~50. WB: 1:1000. WB: 1:1000. FC: 1:10~50

Format:	Liquid
Buffer:	Purified polyclonal 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



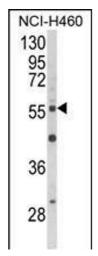
Flow Cytometry

Image 1. AKT2 Antibody (ABIN652284 and ABIN2841195) flow cytometric analysis of NCI- cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of AKT2 Antibody (ABIN652284 and ABIN2841195) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red). DI was used to stain the cell nuclear (blue).



Western Blotting

Image 3. Western blot analysis of AKT2 Antibody (ABIN652284 and ABIN2841195) in NCI- cell line lysates (35 μ g/lane). AKT2 (arrow) was detected using the purified Pab.

Please check the product details page for more images. Overall 4 images are available for ABIN652284.