ARK5 Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 78	Source: Rabbit	UniProt ID: #O60285	Entrez-Gene Id: 9891
Product Usage Information	•	plication estern Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		ARK5 Antibody detects endogenous levels of total ARK5 protein.				
Species predicted react based on 100 sequence homolog	0%	ine				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys403 of human ARK5 protein. Antibodies are purified by protein A and peptide affinity chromatography.				
Background Background Refer	con: (1). rela dom resu Eurt tum sign ences 1. H 2. S 3. S	served from yeast to AMPKα1, AMPKα2, ted protein kinase AF nain of SNARK (2). <i>Ir</i> ulting in increased ph eriments showed tha thermore, studies als	plants and animals MELK, and SNAR RK5 was identified, o vitro, Akt phospho osphorylation of th t Akt-activated AR o linked ARK5 to tr or example, the over metastasis in the li <i>Cell Sci.</i> 117, 547) <i>J. Biol. Chem.</i> 27) <i>Mol. Cell Biol.</i> 24	s and plays a key ro K are the catalytic si which shares 84% orylates ARK5 at Se e SAMS peptide, ar K5 is critical for the si umor invasion (3,4). prexpression of ARK ver (4). 9-87. 8, 48-53. , 3526-35.	eonine protein kinase far le in the regulation of en- ubunits in the family (2). similarity with the sequer r600. This phosphorylation AMPK consensus subs survival of cells under glu Overexpressed ARK5 le 5 in pancreatic tumor ce	ergy homeostasis Recently, AMPK- nce of the catalytic on activates ARK5, trate (2). <i>In vivo</i> ucose starvation (2). eads to a higher
Species Reactivity	y Spec	cies reactivity is deter	rmined by testing in	n at least one appro	ved application (e.g., we	stern blot).
Western Blot Buffe		DRTANT: For western 5 Tween® 20 at 4°C v			d primary antibody in 5%	w/v BSA, 1X TBS,
Applications Key		WB: Western Blotting				
Cross-Reactivity K	X: Xe		B: bovine Dg: dog	Pg: pig Sc: S. cere	Mi: mink C: chicken Dm visiae Ce: C. elegans Hr	0
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Limited Uses						

ARK5 Antibody (#4458) Datasheet Without Images Cell Signaling Technology

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