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Diap1 Antibody



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For Research Use Only.	. Not for Use in	Diagnostic Proce	edures.					
Applications: WB	Reactivity: H Mk	Sensitivity: Endogenous	MW (kDa): 150	Source: Rabbit	UniProt ID: #O60610	Entrez-Gene Id: 1729		
Product Usage Information	Ар	plication			Dilution			
	We	estern Blotting		1:1000				
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at $-$ 20°C. Do not aliquot the antibody.						
Specificity / Sensitivity Diap1 Antibody recognize			zes endogenous levels of total Diap1 protein.					
Source / Purification	resid	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Diap1 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background	alytic FH2 domains. a1/diap1, mDia2/dia , mDia/diap proteins amics, migration, ac a1/diap1 is activate r formation (3,4). Rh F)-dependent transoliated transformation	ins are a family of large multidomain actin nucleation/polymerization proteins characterized by their tic FH2 domains. The mammalian diaphanous-related formin (mDia/diap) subfamily, including 1/diap1, mDia2/diap3 and mDia3/diap2, are effectors of Rho family small GTPases. In response to mDia/diap proteins are involved in the regulation of multiple cell functions including cytoskeletal mics, migration, adhesion, polarity and cell shape (reviewed in 1,2). 1/diap1 is activated by GTP-bound Rho, leading to Rho-associated kinase (ROCK)-dependent stress formation (3,4). Rho activation of mDia1 has also been shown to regulate serum response factor 1)-dependent transcription (5), and has been implicated in human cancer phenotypes such as rasated transformation, metastasis and invasion (reviewed in 6). 3/diap2, activated by the Rho family small GTPase cdc42, regulates the attachment of microtubules						

(8,9).1. Schönichen, A. and Geyer, M. (2010) Biochim Biophys Acta 1803, 152-63.

Rho-dependent activation of mDia2/diap3 is important in assembly of the contractile ring during cytokinesis

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to the kinetochore during mitosis in mammalian cells (7).

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7. Yasuda, S. et al. (2004) Nature 428, 767-71.

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Species Reactivity Species reactivity is determined by testing in at least one approved application (e.g., western blot).

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry Western Blot Buffer

milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key WB: Western Blotting

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster **Cross-Reactivity Key**

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

Trademarks and **Patents**

Background References

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information.

Limited Uses

Diap1 Antibody (#5486) Datasheet Without Images Cell Signaling Technology

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