4914

Hic-5 Antibody



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

Applications: W, IP	Reactivity: H Mk B	Sensitivity: Endogenous	MW (kDa): 50	Source/Isotype: Rabbit	UniProt ID: #O43294	Entrez-Gene Id: 7041
Product Usage Information		Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100	
Storage		Supplied in 10 mM sodi 20°C. Do not aliquot the		s), 150 mM NaCl, 100 μg	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivity		Hic-5 Antibody detects endogenous levels of total Hic-5/ARA55 protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala104 of human Hic-5. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		inducible gene, and is r structurally related to p as adaptor molecules, l intracelluar signaling (4 Expression of Hic-5 can observed during cellula suppressed cell growth like hydrogen peroxide adhesions to the nucleu including, Sp1 and PPAI	nearly identical to paxillin, and both p inking signals fro l,5). Like paxillin, h affect cell growth r senescence in fi (8). Unlike paxillin (9). It has been p us where it acts as Rgamma (7,9,10).	ginally identified as a TG the androgen receptor of proteins are localized to in the extracellular matr dic-5 contains four LD m and differentiation (6-8 broblasts, and ectopic e in, Hic-5 may translocate roposed that Hic-5 serve a transcriptional co-act Phosphorylation of Hic- ing to downstream SH2	co-activator ARA55 focal adhesions and ix to cytoskeletal re otifs and four LIM of the contraction in immore to the nucleus in rest to shuttle redox sivator for some traits at Tyr60 by CAKbe focal additional and for some traits at Tyr60 by CAKbe focal and for some traits at Tyr60 by CAKbe focal and for some traits at Tyr60 by CAKbe focal and fo	(1-3). Hic-5 is If thought to serve gulation and If thought to serve gulation and If the serve sion of Hic-5 is talized fibroblasts sponse to oxidants ignaling from focal asciption factors eta and Fyn may
Background References		1. Ohba, M. et al. (1994) <i>J Cell Biol</i> 126, 1079-88. 2. Shibanuma, M. et al. (1994) <i>J Biol Chem</i> 269, 26767-74. 3. Fujimoto, N. et al. (1999) <i>J Biol Chem</i> 274, 8316-21. 4. Matsuya, M. et al. (1998) <i>J Biol Chem</i> 273, 1003-14. 5. Nishiya, N. et al. (2001) <i>Mol Cell Biol</i> 21, 5332-45. 6. Hu, Y. et al. (1999) <i>Proc Natl Acad Sci U S A</i> 96, 10218-23. 7. Drori, S. et al. (2005) <i>Genes Dev</i> 19, 362-75. 8. Shibanuma, M. et al. (1997) <i>Mol Cell Biol</i> 17, 1224-35. 9. Shibanuma, M. et al. (2003) <i>Mol Biol Cell</i> 14, 1158-71. 10. Shibanuma, M. et al. (2004) <i>J Cell Biochem</i> 91, 633-45. 11. Ishino, M. et al. (2000) <i>FEBS Lett</i> 474, 179-83.				
Species Reactivit	·V	Species reactivity is det	ermined by testin	g in at least one approve	ed application (e.g.	western blot)

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Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key

H: Human Mk: Monkey B: Bovine

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