## 6 Store at -20C

## **WAVE-3 Antibody**



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

<b>Applications:</b> W, IP	Reactivity: H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 65-70	Source/Isotype: Rabbit	UniProt ID: #Q9UPY6	Entrez-Gene Id: 10810
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		WAVE-3 Antibody detects endogenous levels of total WAVE-3 protein. The antibody does not cross-react with WAVE-1 or WAVE-2.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the central sequence of human WAVE-3. Antibodies are purified using protein A and peptide affinity chromatography.				
Background		nucleation complex in members have been dautoinhibited in unstir autoinhibition in conjufamily proteins are sin domains and are indir be essential, as knock and embryonic lethalit (4). WAVE-2 (WASF2) is WAVE-3 may act as a tinervous system (6). In adenocarcinoma cells	response to activa lescribed. Hematop nulated cells. Upor inction with phosp nilar in sequence to ectly activated by Fout of either N-WAS widely distributed, umor suppressor increased expressior indicate that WAVE	Ps) mediate actin dynam ted Rho family GTPases. poietic WASP and ubiquin a stimulation they are ac hatidyl inositol 4,5-bisph b WASP and N-WASP but ac (reviewed in 1). Both FP or Scar-2 in mice resu SP results in immune sys while WAVE-1 and WAVI an neuroblastoma, a child an of WAVE-3 is seen in braise are vated protein kinase (Ma	In mammals, five Nationals, five Nationals, five Nationals, five Wasphate. Three Wasphate. Three Wasphate and Maye fults in cardiac and nationals are strongly expland disease of the east cancer, and street progression, invitosity.	WASP family -WASP are hich relieves the VE (Wasf, SCAR) //ASP autoinhibition nctions appear to euronal defects ewer immune cells pressed in brain (5). e sympathetic udies in breast asion and
Background References		<ol> <li>Millard, T.H. et al. (2004) Biochem J. 380, 1-17.</li> <li>Yan, C. et al. (2003) EMBO J. 22, 3602-3612.</li> <li>Snapper, S.B. et al. (2001) Nat. Cell Biol. 3, 897-904.</li> <li>Zhang, J. et al. (1999) J. Exp. Med. 190, 1329-4132.</li> <li>Suetsugu, S. et al. (1999) Biochem. Biophys. Res. Commun. 260, 296-302.</li> <li>Sossey-Alaoui, K. et al. (2002) Oncogene 21, 5967-5974.</li> <li>Sossey-Alaoui, K. et al. (2005) Exp. Cell Res. 308, 135-145.</li> <li>Sossey-Alaoui, K. et al. (2007) Am J Pathol 170, 2112-21.</li> </ol>				

**Species Reactivity** 

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

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 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 M: Mouse R: Rat Mk: Monkey

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