## Cell Signaling Store at -20C Mena Antibody H. 877-616-CELL (2355) orders@cellsignal.com Orders: Support: 877-678-TECH (8324) 75 info@cellsignal.com cellsignal.com Web: 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications: W	<b>Reactivity:</b> H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 80, 88, 140	<b>Source/Isotype:</b> Rabbit	UniProt ID: #Q8N8S7	<b>Entrez-Gene Id:</b> 55740
Product Usage Information		Application Western Blotting			<b>Dilution</b> 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		Mena Antibody detects endogenous levels of total Mena protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide of human Mena. Antibodies are purified by protein A and peptide affinity chromatography.				
Background		and movement by shi distinct domains: an a domain mediating int carboxy-terminal dom ENAH or Protein enab localized to lamellipor interhemispheric cort knockout mice (3). Me (PTM) that is reported forms of the Mena pri described. The 80 kDa enriched in neural cel is expressed primarily	elding actin filamer amino-terminal EVH teractions with SH3 hain that promotes oled homolog) intera dia and the tips of n ico-cortical neurons ena may be phospho to promote filopoc otein, with apparen a isoform is broadly I types; these isofor v in embryonic cells e forms is complete	the Ena/VASP family, wh hts from capping protein 1 domain controlling pro- and WW domain-contair tetramerization and acti acts with actin filaments euronal growth cone file were shown to be misr orylated at Ser236 by PK lial formation and elong t molecular weights of 8 expressed, whereas the ms are generated by alt and is likely the result of ly eliminated after homo	IS (1). Ena/VASP pro otein localization, a ning proteins, inclue n-binding (2). Mena at the growing enc opodia. Axons proje outed in newborn, i A, a post-translatio ation of the growth 0, 88, and 140 kDa, 140 kDa isoform is ernative splicing. Th f PTM of the 80 kDa	teins have three central proline-rich ding profilin, and a a (also known as ls and is thus ecting from homozygous Mena nal modification o cone (4). Three have been s reportedly he 88 kDa isoform a isoform.
Background References		1. Gertler, F.B. et al. (1996) <i>Cell</i> 87, 227-39. 2. Small, J.V. (2008) <i>Nat Cell Biol</i> 10, 118-20. 3. Lanier, L.M. et al. (1999) <i>Neuron</i> 22, 313-25. 4. Lebrand, C. et al. (2004) <i>Neuron</i> 42, 37-49.				
Species Reactiv	ity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
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				
Cross-Reactivity Key		H: Human M: Mouse R: Rat				
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