## Mena (D33C1) Rabbit mAb



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<b>Applications:</b> W, IP	Reactivity: H M R	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 80, 88, 140	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #Q8N8S7	Entrez-Gene Id: 55740
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 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		Mena (D33C1) Rabbit mAb recognizes endogenous levels of total Mena protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly547 of human Mena protein.				
Background		and movement by shie distinct domains: an all domain mediating interpretation of the carboxy-terminal dom ENAH or Protein enable localized to lamellipod interhemispheric cortic knockout mice (3). Mer (PTM) that is reported forms of the Mena prodescribed. The 80 kDa enriched in neural cell is expressed primarily	elding actin filamer mino-terminal EVH eractions with SH3 ain that promotes ed homolog) inter- ia and the tips of r co-cortical neuron- na may be phosph to promote filopoo tein, with apparen isoform is broadly types; these isofor in embryonic cells forms is complete	the Ena/VASP family, whats from capping protein 1 domain controlling protein 1 domain controlling protein 2 domain controlling protein 3 domain contain tetramerization and activates with actin filaments euronal growth cone files were shown to be missipply and the series of the series and elong to molecular weights of 8 dexpressed, whereas the ms are generated by altiply eliminated after homoly eliminated after homoly.	s (1). Ena/VASP pro otein localization, a ning proteins, inclu- n-binding (2). Mena at the growing enc opodia. Axons proje outed in newborn, A, a post-translatio ation of the growth 0, 88, and 140 kDa, 140 kDa isoform is ernative splicing. The f PTM of the 80 kDa	teins have three central proline-rich ding profilin, and a a (also known as is and is thus ecting from homozygous Mena nal modification cone (4). Three have been reportedly he 88 kDa isoform 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 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

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