

## ELMO1 (D4K2E) Rabbit mAb



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

<b>Applications:</b> W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 80	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #Q92556	Entrez-Gene Id: 9844
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. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		ELMO1 (D4K2E) Rabbit mAb recognizes endogenous levels of total ELMO1 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala567 of human ELMO1 protein.				
Background		DOCK180 to form an a Rac (1). The resultant lo to integrins, formation phagocytosis and cell i migration in lymphocy motility through its int RhoG/Rac1-dependent	typical, two-part grocalized Rac actival of lamellipodia armigration (2-4). Retes (5) and in ovarieraction with the action with the action may be assogene may be asso	a cell motility and migra uanine nucleotide excha tion allows actin nucleat d filopodia, and regulation search studies indicate to an cancer cells (6). ELMC daptor protein Nck-1 (7) optotic cells by phagocy- ciated with susceptibility atients (9,10).	nge factor (GEF) for ion via WAVE family ion of processes ind hat DOCK180 and E D1 also promotes R I, and binds Arhgef tes (8). Polymorphis	the small GTPase proteins, signaling cluding EMO1 regulate cell ac1-dependent cell to promote cms in the
Background References		1. Brugnera, E. et al. (2002) <i>Nat Cell Biol</i> 4, 574-82. 2. Takenawa, T. and Miki, H. (2001) <i>J Cell Sci</i> 114, 1801-9. 3. Albert, M.L. et al. (2000) <i>Nat Cell Biol</i> 2, 899-905. 4. Gustavsson, A. et al. (2004) <i>J Biol Chem</i> 279, 22893-901. 5. Stevenson, C. et al. (2014) <i>J Immunol</i> 192, 6062-70. 6. Wang, J. et al. (2014) <i>Int J Gynecol Cancer</i> 24, 844-50. 7. Zhang, G. et al. (2014) <i>J Biol Chem</i> 289, 23112-22. 8. Lee, J. et al. (2014) <i>Biochim Biophys Acta</i> 1843, 2438-2447. 9. Pezzolesi, M.G. et al. (2009) <i>Diabetes</i> 58, 2698-702. 10. Wu, H.Y. et al. (2013) <i>J Endocrinol Invest</i> 36, 298-302.				

**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 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

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