

#13091 Store at -20°C

PEA-15 (D1G6A) Rabbit mAb



Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R	Endogenous	15	Rabbit IgG	#Q15121	8682

Product Usage Information	Application Western Blotting Immunoprecipitation	Dilution 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	PEA-15 (D1G6A) Rabbit mAb recognizes endogenous levels of total PEA-15 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu60 of human PEA-15 protein.	
Background	PEA-15 is a 15 kDa phosphoprotein expressed abundantly in astrocytes and fibroblasts as well as in tissues, including the lung and eye (1). The protein has been shown to coordinate cell growth, death, and glucose utilization (2-4). The amino-terminal DED domain of PEA-15 mediates its binding to FADD or Erk and further regulates the Erk and apoptosis signaling pathways. PEA-15 can be phosphorylated at two serine residues, Ser104 and Ser116, located within the carboxy terminus. Phosphorylation at these sites regulates binding to Erk and FADD (2,3).	
Background References	1. Danziger, N. et al. (1995) <i>J. Neurochem.</i> 64, 1016-1025. 2. Krueger, J. et al. (2005) <i>Mol. Biol. Cell</i> 16, 3552-3561. 3. Renganathan, H. et al. (2005) <i>Biochem. J.</i> 390, 729-735. 4. Condorelli, G. et al. (1998) <i>EMBO J.</i> 17, 3858-3866.	

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	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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