

## PTPRF/LAR (E9B9S) Rabbit mAb



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Applications: F	Reactivity:	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 150, 213	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P10586	Entrez-Gene Id: 5792
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage				), 150 mM NaCl, 100 µg, ot aliquot the antibody.	ml BSA, 50% glycer	ol and less than
Specificity/Sensitivity		PTPRF/LAR (E9B9S) Rabbit mAb recognizes endogenous levels of total PTPRF/LAR protein. This antibody detects the E-subunit of the processed PTPRF/LAR protein. Weak signal is detected in mouse and rat.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the amino terminus of human PTPRF/LAR protein.				
Background		regulate insulin signal extracellular segment region and a pair of cymembrane-associated the D2 domain is important dephosphory activates the pro-apop while the kinase Src reptpression (5). localizes the phosphar	ling, cell proliferation that contains sever toplasmic phosphatase of the process	ase F (PTPRF, LAR) is a tr. n and cell migration. The al Ig-like and fibronecting tase domains (1,2). Funomain is responsible for specificity (3). PTPRF neeptor and insulin recept hreonine kinase by remate to inactivate DAPK at found at focal adhesion ne, and the Rac/Rho far PRF modification of β-catenin (7).	e PTPRF protein is on (Fn-III) domains, a ctional studies reversubstrate dephosp gatively regulates it or substrate (4). The oving a phosphate it the same time it does where it interacts inly GTPase Trio (6).	composed of an transmembrane al that the chorylation, while is phosphatase at Tyr491/492, own regulates with liprin, which Localization of
Background Refer	ences	1. Cheng, A. et al. (2002) <i>Eur J Biochem</i> 269, 1050-9. 2. O'Grady, P. et al. (1994) <i>J Biol Chem</i> 269, 25193-9. 3. Tsujikawa, K. et al. (2001) <i>Mol Endocrinol</i> 15, 271-80. 4. Zhang, W.R. et al. (1996) <i>Mol Endocrinol</i> 10, 575-84. 5. Wang, W.J. et al. (2007) <i>Mol Cell</i> 27, 701-16. 6. Stoker, A.W. (2005) <i>J Endocrinol</i> 185, 19-33. 7. Müller, T. et al. (1999) <i>J Biol Chem</i> 274, 10173-83.				
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**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

**Cross-Reactivity Key** 

H: Human

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