Revision 1		
Merlin (D3S3W) Rabbit mAb	C C	ell Signaling
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Applications: W, IP, IF-IC	<b>Reactivity:</b> H M R Hm Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 70	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #P35240	Entrez-Gene Id 4771		
Product Usage Information		<b>Application</b> Western Blotting Immunoprecipitation Immunofluorescence	(Immunocytochem	istry)		<b>Dilution</b> 1:1000 1:50 1:200		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less tha 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity/Sensitivity		Merlin (D3S3W) Rabbit mAb recognizes endogenous levels of total merlin protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln470 of human merlin protein.						
Background		occurrence of vestibul familial tumors of NF2 inactivation of the <i>NF</i> . <i>NF2</i> gene product, dis of merlin (also called s head-to-tail associatio the plasma membrane	ar schwannomas, i and equivalent sp 2 tumor suppresso playing striking sin schwannomin) and ns between family e and the cytoskele n is phosphorylate	al dominant, inherited o neningiomas, and other oradic tumors found in t gene. Merlin (moesin, e illarity to ezrin, radixin, ERM proteins involves ir members (1). Merlin and ton, affecting cell morp d by the Rac/Cdc42 effec	r nervous system tu the general populat zzrin, and radixin-lil and moesin (ERM) p ntramolecular and i d ERM proteins act nology, polarity, and	mors. Both the ion are caused by ce protein) is the proteins. Regulation ntermolecular as linkers between d signal		
Background R	eferences	1. Ramesh, V. (2004) <i>Nat. Rev. Neurosci.</i> 5, 462-70. 2. Bretscher, A. et al. (2002) <i>Nat. Rev. Mol. Cell Biol.</i> 3, 586-99. 3. Xiao, G. H. et al. (2002) <i>J. Biol. Chem.</i> 277, 883-6. 4. Kissil, J. L. et al. (2003) <i>Mol. Cell</i> 12, 841-9.						
Species Reacti	vity	Species reactivity is de	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot E	Buffer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				n 5% w/v BSA, 1X		
Applications K	ey	W: Western Blotting IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry)						
Cross-Reactivi	ty Key	H: Human M: Mouse F	<b>R:</b> Rat <b>Hm:</b> Hamste	Mk: Monkey				
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