orders@cellsignal.co Support: 877-678-TECH (832 Web: info@cellsignal.co	Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
Support: 877-678-TECH (832		Only. Not for Use ii	n Diagnostic Procec	lures.			
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Applications: Rea	Activity:Sensitivity:HTransfected Only	MW (kDa): 40	Source/Isotype: Rabbit	UniProt ID: #075610	Entrez-Gene Id 10637
Product Usage Information	Application Western Blotting			Dilution 1:1000	
Storage	Supplied in 10 mM s 20°C. Do not aliquot		5), 150 mM NaCl, 100 µg	/ml BSA and 50% gl	ycerol. Store at –
Specificity/Sensitivit	y Lefty1 Antibody reco	ognizes transfected le	evels of total lefty1 prote	ein.	
Source / Purification		ng Pro233 of human l	nmunizing animals with efty1 protein. Antibodie		
Background	and development (1 expression on the le motif that is charact critical for ligand dir inhibiting the phosp very early upon diffe pathway for Nodal, endoderm (6). Simil to release a bioactiv	,2). Named for their ft side of the develop eristic of TGF-β relat merization (3). Early i horylation of Smad2 erentiation (5), lefty p a TGF-β ligand critica ar to other members	family of cell signaling role in left-right axis det bing mouse embryo, left ed proteins, but lack an n vertebrate embryoger following activation of roteins act as extracellu l for left-right patterning of the TGF-β superfami logically active 42 kDa left MAPK activity (7).	ermination and thei sy1 and lefty2 contai alpha-helix and a cy lesis, lefty represses the TGF-β receptor (lar antagonists of the g and formation of the ly, lefty proproteins	ir exclusive in a cysteine-knot steine residue s TGF-β signaling by 4). Down-regulated he signaling the mesoderm and undergo cleavage
Background Referen	2. Heldin, C.H. et al. 3. Meno, C. et al. (19 4. Ulloa, L. and Tabil 5. Besser, D. (2004) 6. Schier, A.F. (2003)	94) Genes Dev 8, 133 (1997) Nature 390, 4 97) Genes Cells 2, 51 52adeh, S. (2001) J Bio Biol Chem 279, 4507 Annu Rev Cell Dev Bi 01) J Biol Chem 276, 2	65-71. 3-24. o/ Chem 276, 21397-404 6-84. o/ 19, 589-621.		
Species Reactivity	Species reactivity is	determined by testin	g in at least one approv	ed application (e.g.,	western blot).
Western Blot Buffer		estern blots, incubate 20 at 4°C with gentle	membrane with dilutec shaking, overnight.	l primary antibody i	n 5% w/v BSA, 1X
Applications Key	W: Western Blotting	I			
Cross-Reactivity Key	H: Human				
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