Store at -20C	EphB6 Antibody		ell Signaling сн N о L о g Y®
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: Reactive WB, IP H	vity: Sensitivity: Endogenous	MW (kDa): 125	Source: Rabbit	UniProt ID: #O15197	Entrez-Gene Id: 2051	
Product Usage Information	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:100		
Storage	Supplied in 10 mM sodiu 20°C. Do not aliquot the), 150 mM NaCl, 10	0 μg/ml BSA and 50% g	lycerol. Store at –	
Specificity / Sensitivity	EphB6 antibody recognizes endogenous levels of total EphB6 protein.					
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala927 of human EphB6 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background	EphB6 is a kinase-defect Although lacking kinase proteins and other Eph f cell population (3) and fu Upon binding with its ep JNK signaling, reduction proliferation and cytokin conjunction with EphB3 triggering the Akt activat associated with a higher (8), and neuroblastoma adhesion and migration. Src and another active E and initiates Cbl inhibition interaction with other ac inhibiting typical signal t	activity, EphB6 car family members (2) unctions as an impo- hrin-B1 or ephrin-B n of CD25 expression e secretion are see receptor activation tion pathway (6). Ro degree of metasta (9). EphB6 is thoug Following EphrinB EphB kinase (2, 10, on of cell adhesion tive Eph receptor k	n regulate cellular fu . In hematopoietic c prtant regulator of T 2 ligand, EphB6 mo on, and decreased II n in EphB6 knock-o , EphB6 suppresses esearch indicates th sis in various cancer 1 ligand binding, Ep 11). Phosphorylate (2,11). EphB6 regular inases, sequestering	nctions through its intera ells, EphB6 is specificall cell receptor (TCR) med dulates TCR activity thro L-2 secretion (4). Reduc ut mice relative to wild ty Fas receptor induced a at decreased EphB6 exp rs, including breast cano invasiveness through its hB6 is phosphorylated to d EphB6 forms a stable ates signal transduction	action with adaptor y expressed in the T liated signaling. bugh inhibition of ed levels of cell ype (5). In poptosis by bression is cer (7), lung cancer s effect on cell by kinases such as complex with Cbl through direct	
Background References	 Gurniak, C.B. and Ber Freywald, A. et al. (20) Shimoyama, M. et al. Freywald, A. et al. (2005) Luo, H. et al. (2004) Maddigan, A. et al. (2017) Maddigan, A. et al. (2017) Fox, B.P. and Kandpa Müller-Tidow, C. et al. Tang, X.X. et al. (2000) Matsuoka, H. et al. (2010) Fox, B.P. and Kandpa 	02) J Biol Chem 27 (2000) Growth Fac 03) J Biol Chem 27 Clin Invest 114, 17 011) J Immunol 18 I, R.P. (2006) Biocl (2005) Cancer Re 0) Proc Natl Acad S 005) J Biol Chem 2 Cancer Res 70, 11	77, 3823-8. tors 18, 63-78. 78, 10150-6. 762-73. 7, 5983-94. hem Biophys Res Co s 65, 1778-82. Sci U S A 97, 10936- 80, 29355-63. 41-53.	41.		
Species Reactivity	Species reactivity is dete	rmined by testing ir	n at least one approv	ved application (e.g., we	stern blot).	
Western Blot Buffer	IMPORTANT: For wester 0.1% Tween® 20 at 4°C			d primary antibody in 5%	6 w/v BSA, 1X TBS,	
Applications Key	WB: Western Blotting IP	: Immunoprecipitat	ion			

1/1/24, 10:30 AM Cross-Reactivity Key	EphB6 Antibody (#12560) Datasheet Without Images Cell Signaling Technology 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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