

#12796 Store at -20°C

AFAP1L2/XB130 (D4A5) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, IP	H Mk	Endogenous	130	Rabbit IgG	#Q8N4X5	84632

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	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	AFAP1L2/XB130 (D4A5) Rabbit mAb recognizes endogenous levels of total AFAP1L2/XB130 protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val391 of human AFAP1L2/XB130 protein.	
Background	The actin-filament associated protein (AFAP) family consists of AFAP1, AFAP1L1, and AFAP1L2/XB130, a group of structurally similar proteins that play distinct roles in the regulation of cytoskeletal dynamics and signal transduction. Actin filament-associated protein 1-like 2 (AFAP1L2, XB130) is an adaptor protein that regulates signaling downstream of multiple kinases, including Src, Akt, and the thyroid specific kinase RET/PTC (1-3). Through these pathways, AFAP1L2/XB130 mediates transcriptional regulation, cell proliferation, motility, and microRNA expression (4,5). Research has shown that AFAP1L2/XB130 is involved in the proliferation and survival of thyroid tumor cells (6), and may have value in gastric cancer prognosis (7).	
Background References	<ol style="list-style-type: none"> 1. Xu, J. et al. (2007) <i>J Biol Chem</i> 282, 16401-12. 2. Shiozaki, A. et al. (2012) <i>PLoS One</i> 7, e43646. 3. Lodyga, M. et al. (2009) <i>Oncogene</i> 28, 937-49. 4. Lodyga, M. et al. (2010) <i>J Cell Sci</i> 123, 4156-69. 5. Takeshita, H. et al. (2013) <i>PLoS One</i> 8, e59057. 6. Shiozaki, A. et al. (2011) <i>Am J Pathol</i> 178, 391-401. 7. Shi, M. et al. (2012) <i>PLoS One</i> 7, e41660. 	

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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