

AFAP1L2/XB130 (D4A5) Rabbit mAb

✓ 100 µl
 (10 western blots)



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For Research Use Only. Not For Use In Diagnostic Procedures.

Entrez Gene ID #84632
 UniProt ID #Q8N4X5

Applications W, IP Endogenous	Species Cross-Reactivity* H, Mk	Molecular Wt. 130 kDa	Isotype Rabbit IgG**
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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).

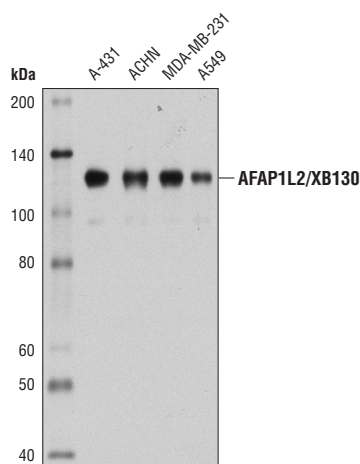
Specificity/Sensitivity: AFAP1L2/XB130 (D4A5) Rabbit mAb recognizes endogenous levels of total AFAP1L2/XB130 protein.

Source/Purification: Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val391 of human AFAP1L2/XB130 protein.

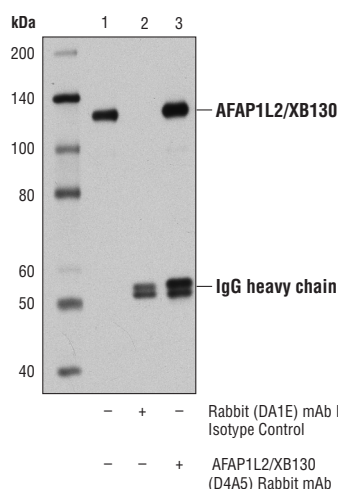
Background References:

- (1) Xu, J. et al. (2007) *J Biol Chem* 282, 16401-12.
- (2) Shiozaki, A. et al. (2012) *PLoS One* 7, e43646.
- (3) Lodyga, M. et al. (2009) *Oncogene* 28, 937-49.
- (4) Lodyga, M. et al. (2010) *J Cell Sci* 123, 4156-69.
- (5) Takeshita, H. et al. (2013) *PLoS One* 8, e59057.
- (6) Shiozaki, A. et al. (2011) *Am J Pathol* 178, 391-401.
- (7) Shi, M. et al. (2012) *PLoS One* 7, e41660.

Immunoprecipitation of AFAP1L2/XB130 from A-431 cell extracts using Rabbit (DA1E) mAb IgG XP® Isotype Control #3900 (lane 2) or AFAP1L2/XB130 (D4A5) Rabbit mAb (lane 3). Lane 1 is 10% input. Western blot was performed using AFAP1L2/XB130 (D4A5) Rabbit mAb.



Western Blot analysis of extracts from various cell types using AFAP1L2/XB130 (D4A5) Rabbit mAb.



1 2 3
 - + - Rabbit (DA1E) mAb IgG XP®
 Isotype Control
 - - + AFAP1L2/XB130
 (D4A5) Rabbit mAb

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.

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting 1:1000
 Immunoprecipitation 1:50

For product specific protocols please see the web page for this product at www.cellsignaling.com.

Please visit www.cellsignaling.com for a complete listing of recommended complementary products.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Applications Key: W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA—Peptide
Species Cross-Reactivity Key: H—human M—mouse R—rat Hm—hamster Mk—monkey 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 All—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.