

**AFAP1L2/XB130 (D4A5) Rabbit mAb**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W, IP	<b>Reactivity:</b> H Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 130	<b>Source/Isotype:</b> Rabbit IgG	<b>UniProt ID:</b> #Q8N4X5	<b>Entrez-Gene Id:</b> 84632
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**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
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 Source / Purification**

AFAP1L2/XB130 (D4A5) Rabbit mAb recognizes endogenous levels of total AFAP1L2/XB130 protein.  
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**

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

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **Mk:** Monkey

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