

Product datasheet for **TA306798**

AFAP1L2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	AFAP1L2 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human AFAP1L2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	actin filament associated protein 1 like 2
Database Link:	NP_001001936 Entrez Gene 226250 Mouse Entrez Gene 292130 Rat Entrez Gene 84632 Human Q8N4X5



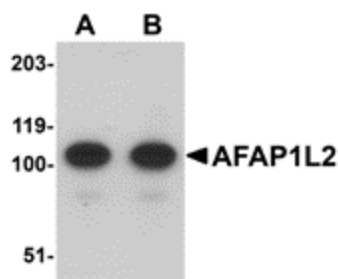
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Background:

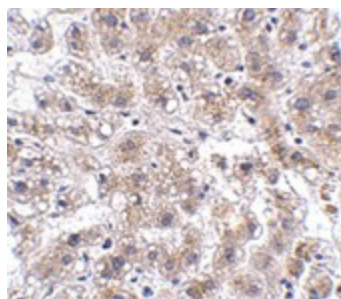
AFAP1L2, also known as XB130, is structurally similar to actin-filament-associated protein (AFAP), containing several SH2- and SH3-binding motifs, two pleckstrin homology domains, a coiled-coil region, and many potential phosphorylation sites. It interacts with and is phosphorylated by c-Src tyrosine kinase. Suppression of AFAP1L2 via siRNA reduced Src activity, IL-8 production, EGF-induced phosphorylation of Akt and GSK3b, and altered cell cycles in human lung epithelial cells suggesting that AFAP1L2 plays a role as an adaptor in the regulation of Src signal transduction and multiple cellular functions. Recent experiments have shown that AFAP1L2 is highly expressed in thyroid and is the substrate RET/PTC kinase, a thyroid-specific kinase that plays a pathogenic role in papillary thyroid cancer. Down-regulation of AFAP1L2 in these cancer cells reduced Akt activity, inhibiting cell-cycle progression and cancer cell survival in suspension, indicating that AFAP1L2 may be a valuable target in thyroid cancer therapy. At least four isoforms of AFAP1L2 are known to exist.

Synonyms:

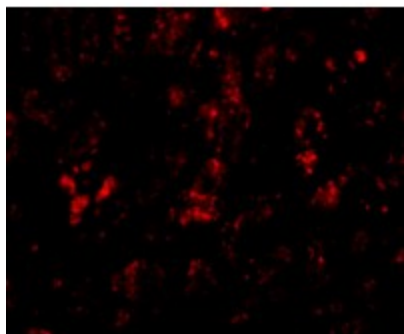
CTB-1144G6.4; KIAA1914; XB130

Product images:

Western blot analysis of AFAP1L2 in mouse liver tissue lysate with AFAP1L2 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemistry of AFAP1L2 in human liver tissue with AFAP1L2 antibody at 2.5 ug/ml.



Immunofluorescence of AFAP1L2 in human liver tissue with AFAP1L antibody at 20 ug/mL.