

ARG55110 anti-APAP1L2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AFAP1L2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APAP1L2
Species	Human
Immunogen	Synthetic peptide (15 aa) within the last 50 aa of Human AFAP1L2 protein.
Conjugation	Un-conjugated
Alternate Names	Actin filament-associated protein 1-like 2; CTB-1144G6.4; AFAP1-like protein 2; KIAA1914; XB130

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	ICC/IF	20 µg/ml
	IHC-P	Assay-dependent
	WB	1 - 2 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse Liver Tissue Lysate	

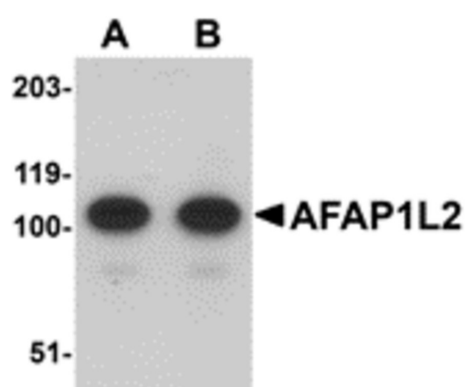
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

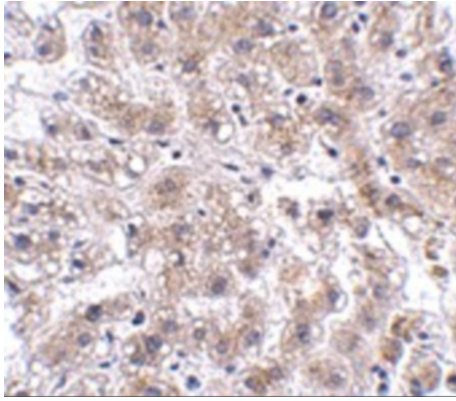
Database links	GeneID: 226250 Mouse GeneID: 84632 Human Swiss-port # Q5DTU0 Mouse Swiss-port # Q8N4X5 Human
Gene Symbol	AFAP1L2
Gene Full Name	actin filament associated protein 1-like 2
Background	AFAP1L2 Antibody: AFAP1L2, also known as XB130, is structurally similar to actin-filament-associated protein (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 GSK3beta, 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.
Function	May play a role in a signaling cascade by enhancing the kinase activity of SRC. Contributes to SRC-regulated transcription activation. [UniProt]
Research Area	Cancer antibody; Gene Regulation antibody; Signaling Transduction antibody
Calculated Mw	91 kDa
PTM	Tyrosine phosphorylated (by SRC).

Images



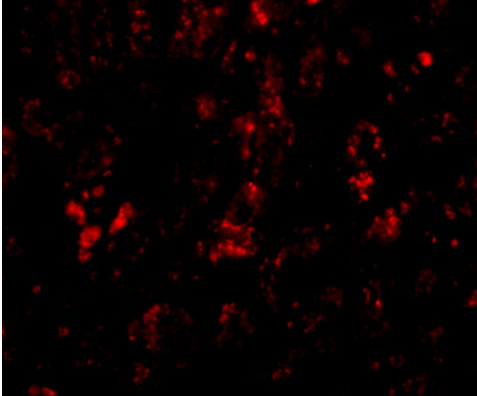
ARG55110 anti-APAP1L2 antibody WB image

Western blot: mouse liver tissue lysate stained with ARG55110 anti-APAP1L2 antibody at (A) 1 and (B) 2 ug/ml dilution.



ARG55110 anti-APAP1L2 antibody IHC image

Immunohistochemistry: APAP1L2 in human liver tissue stained with ARG55110 anti-APAP1L2 antibody at 2.5 ug/ml dilution.



ARG55110 anti-APAP1L2 antibody IHC image

Immunohistochemistry: APAP1L2 in human liver tissue stained with ARG55110 anti-APAP1L2 antibody at 20 ug/ml dilution.
