

Datasheet for ABIN499229

**anti-AFAP1L2 antibody (C-Term)****2** Images[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	AFAP1L2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AFAP1L2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	AFAP1L2 antibody was raised against a 15 amino acid peptide near the carboxy terminus of human AFAP1L2.
Isotype:	IgG
Specificity:	This antibody reacts to AFAP1L2.
Purification:	Affinity chromatography purified via peptide column

## Target Details

Target:	AFAP1L2
Alternative Name:	AFAP1L2 ( <a href="#">AFAP1L2 Products</a> )

## Target Details

**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: AFAP1-like protein 2, Actin filament-associated protein 1-like 2, KIAA1914, XB130

**Gene ID:** 84632

**NCBI Accession:** [NP\\_001001936](#)

**UniProt:** [Q8N4X5](#)

**Pathways:** [EGFR Signaling Pathway](#)

## Application Details

**Application Notes:** ELISA. Western Blot: AFAP1L2 antibody can be used for detection of AFAP1L2 at 1 - 2 µg/mL. Immunohistochemistry.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

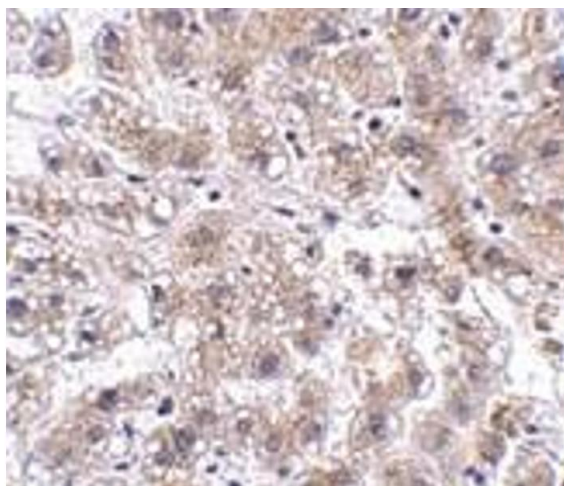
**Buffer:** PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

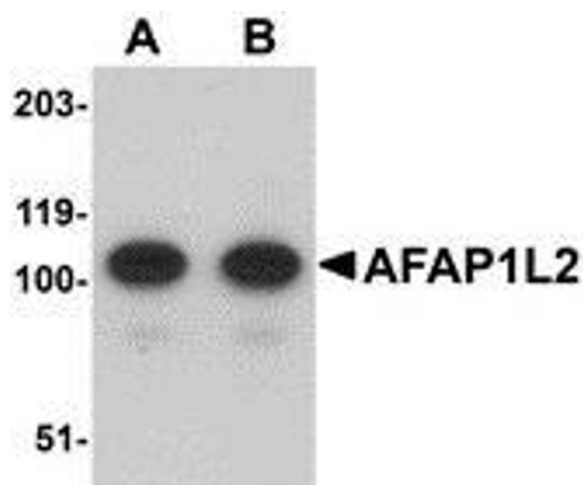
**Storage:** 4 °C

**Storage Comment:** Store the antibody undiluted at 2-8 °C.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of AFAP1L2 in human liver tissue with AFAP1L2 antibody at 2.5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of AFAP1L2 in mouse liver tissue lysate with AP30026PU-N AFAP1L2 antibody at (A) 1 and (B) 2 µg/ml.