

AFAP1L2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254089

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: AFAP1L2; Actin filament associated protein 1-like 2; XB130

Accession No.: NP_001001936

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human AFAP1L2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.