

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human AFAP in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human AFAP His450-Thr730 Accession # Q8N556
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

AFAP (actin filament associated protein; also known as AFAP-110) is an adaptor protein that regulates actin filament integrity. It is both multimodular and multimeric, and is known to simultaneously bind actin and cytosolic kinases. As a homomultimer, AFAP binds and separates actin filaments, preventing actin cross-linking. Upon binding to kinases, AFAP is destabilized, promoting actin polymerization. Human AFAP is 730 amino acids (aa) in length, and contains SH3 and SH2 binding motifs (aa 69-74 and aa 91-96), two pleckstrin homology domains (aa 153-248 and aa 347-450) and a Leu-zipper/actin binding region (aa 511-637). Over aa 450-730, human AFAP is 86% identical to mouse and rat AFAP.

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