

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Profilin 1 in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human Profilin 2 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 816536
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Profilin 1 Met1-Tyr140 Accession # P07737
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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

Profilin 1 (gene name PFN1) is a ubiquitous, cytoplasmic, 140 amino acid, 12-15 kDa actin monomer-binding protein. It facilitates adenine nucleotide exchange, supplying ATP for actin filament polymerization. It is phosphorylated and acetylated, and binds proline-rich sequences. Human Profilin 1 shares 96% amino acid sequence identity with mouse and rat Profilin 1.

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