



PFN1 Antibody

#24353

Catalog Number: 24353-1, 24353-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. :P07737

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized peptide derived from Human PFN1

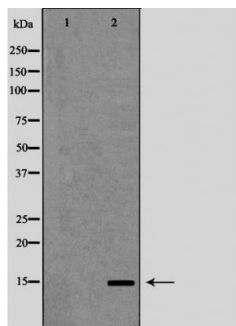
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: PFN1 Antibody detects endogenous levels of total PFN1

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 15kd WB: 1:500-2000 IHC: 1:50-200



Western blot analysis of extracts of various cell lines, using PFN1 antibody.

Background : The dynamic polymerization and depolymerization of actin filaments, a process governed by external and internal signaling events, is vital for cell motility (immune cell function, migration, invasion, metastasis, angiogenesis), cell division and adhesion. Among the many regulators of actin dynamics are profilins. Profilins are conserved actin binding proteins that affect the rate of actin polymerization by binding actin monomers and promoting the exchange of ADP for ATP. Profilins bind to proteins involved in the regulation of actin dynamics including palladin, dynamin-1, VASP and N-WASP. In mice, knockout of the ubiquitously expressed profilin-1 indicates that the protein is essential for embryonic development. Profilin-2 is primarily expressed in brain and functions in the regulation of neurite outgrowth, membrane trafficking and endocytosis. The recently cloned profilin-3 is expressed in kidney and testes.