



## Anti-Profilin 1 Antibody

**Alternative Names:** Amyotrophic lateral sclerosis 18, ALS18, PFN1, Epididymis Tissue Protein Li 184a, Profilin-1

**Catalogue Number:** AB19-10091-50ug

**Size:** 50 µg

### Background Information

Profilin 1 (PFN1) is a member of the profilin family of small actin-binding proteins. This 140-amino-acid protein acts as a major regulator of actin polymerisation through its binding of actin-ADP monomers, promoting the conversion of actin-ADP to actin-ATP. PFN1 also binds to phosphoinositides and a large network of proteins with poly-L-proline stretches. Through these binding interactions, PFN1 regulates a number of cellular functions including actin dynamics, membrane trafficking, neuronal synaptic structure and activity and small GTPase signaling. Mutations in the PFN1 gene are associated with amyotrophic lateral sclerosis (ALS).

### Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	Full length recombinant human PFN1		
<b>Format:</b>	50 µg in 50 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB WB 1:500-2000.		

### Additional Information

<b>Subcellular location:</b>	Cytoplasm cytoskeleton	<b>MW:</b>	15kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	5216	<b>Uniprot ID:</b>	P07737