

PROF2 Polyclonal Antibody

Catalog No :	YN2844
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	PROF2
Fields :	>>Rap1 signaling pathway;>>Regulation of actin cytoskeleton;>>Amyotrophic lateral sclerosis;>>Shigellosis;>>Salmonella infection
Gene Name :	PFN2
Protein Name :	Profilin-2 (Profilin II)
Human Gene Id :	5217
Human Swiss Prot No :	P35080
Mouse Swiss Prot No :	Q9JJV2
Rat Swiss Prot No :	Q9EPC6
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	PROF2 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 ELISA 1:5000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 15kD

Cell Pathway : Regulates Actin and Cytoskeleton;

Background : The protein encoded by this gene is a ubiquitous actin monomer-binding protein belonging to the profilin family. It is thought to regulate actin polymerization in response to extracellular signals. There are two alternatively spliced transcript variants encoding different isoforms described for this gene. [provided by RefSeq, Jul 2008],

Function : function: Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG., similarity: Belongs to the profilin family., subunit: Occurs in many kinds of cells as a complex with monomeric actin in a 1:1 ratio., tissue specificity: Highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver.,

Subcellular Location : Cytoplasm, cytoskeleton.

Expression : Highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver.

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