



PROF1 Polyclonal Antibody

Catalog No	YP-Ab-07695
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	PFN1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PROF1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ALS18;Pfn;PROF1_HUMAN;PFN1;Epididymis tissue protein Li 184a;Profilin I; PROF1_MOUSE;PROF1_RAT;profilin 1;PROF1;Profilin-1 (Epididymis tissue protein Li 184a) (Profilin I)
Observed Band	15kD
Calculated Molecular Weight	15kD
Cell Pathway	Cytoplasm, cytoskeleton.
Tissue Specificity	Expressed in epididymis (at protein level).
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. Found in a complex with XPO6, Ran, ACTB and PFN1.,
Background	This gene encodes a member of the profilin family of small actin-binding proteins. The encoded protein plays an important role in actin dynamics by regulating actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome, and the encoded protein



may also play a role in Huntington disease. Multiple pseudogenes of this gene are located on chromosome 1. [provided by RefSeq, Jul 2012],

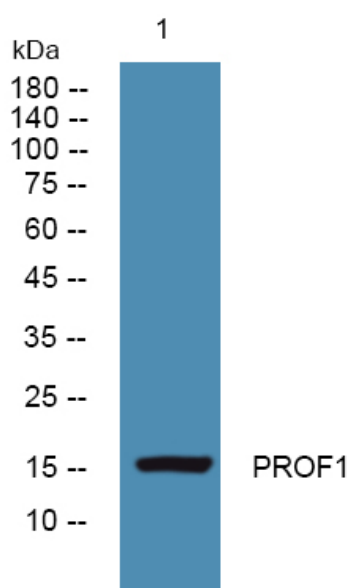
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night