

Profilin 2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51969

Product Information

Application	WB
Primary Accession	P35080
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15046

Additional Information

Gene ID	5217
Other Names	Profilin-2, Profilin II, PFN2
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PFN2
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.
Cellular Location	Cytoplasm, cytoskeleton.
Tissue Location	Highly expressed in brain, skeletal muscle and kidney and less strongly in heart, placenta, lung and liver

Background

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.

References

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Lambrechts A.,et al.Mol. Cell. Biol. 20:8209-8219(2000).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

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