



# Anti-PFN1 monoclonal antibody, clone 2E6 (DCABH-829)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Profilin 1
<b>Antigen Description</b>	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.
<b>Immunogen</b>	Recombinant full length Human Profilin 1 produced in HEK293T cells (NP_005013).
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rat, Dog, Human, Monkey
<b>Clone</b>	2E6
<b>Purification</b>	This antibody is purified from Mouse ascites fluid by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P, Flow Cyt, ICC/IF
<b>Positive Control</b>	HepG2, HeLa, HT29, A549, COS7, Jurkat, MDCK, PC12 and MCF7 cell extracts; Human Kidney and pancreas tissues; HeLa and Jurkat cells; COS7 cells transiently transfected by pCMV6-ENTRY Profilin 1; HEK293T cell lysate transfected with pCMV6-ENTRY Profilin 1 c
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA

<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PFN1 profilin 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	PFN1
<b>Synonyms</b>	PFN1; profilin 1; profilin-1; profilin I;
<b>Entrez Gene ID</b>	<a href="#">5216</a>
<b>Protein Refseq</b>	<a href="#">NP_005013</a>
<b>UniProt ID</b>	<a href="#">P07737</a>
<b>Chromosome Location</b>	17p13.2
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; G13 Signaling Pathway, organism-specific biosystem; Hemostasis, organism-specific biosystem; Platelet activation, signaling and aggregation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Regulation of Actin Cytoskeleton, organism-specific biosystem;
<b>Function</b>	Rho GTPase binding; actin binding; phosphatidylinositol-4,5-bisphosphate binding; proline-rich region binding; receptor binding;