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Product datasheet for TA501243

Profilin 1 (PFN1) Mouse Monoclonal Antibody [Clone ID: OTI2D2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2D2
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:1000~2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey, Rat, Dog
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PFN1 (NP_005013) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.58 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	14.9 kDa
Gene Name:	profilin 1
Database Link:	NP_005013 Entrez Gene 64303 RatEntrez Gene 607397 DogEntrez Gene 710753 MonkeyEntrez Gene 5216 Human
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. Deletion of this gene is associated with Miller-Dieker syndrome. [provided by RefSeq]
Synonyms:	ALS18
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Regulation of actin cytoskeleton

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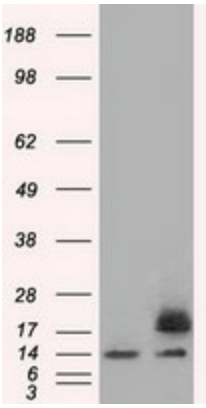
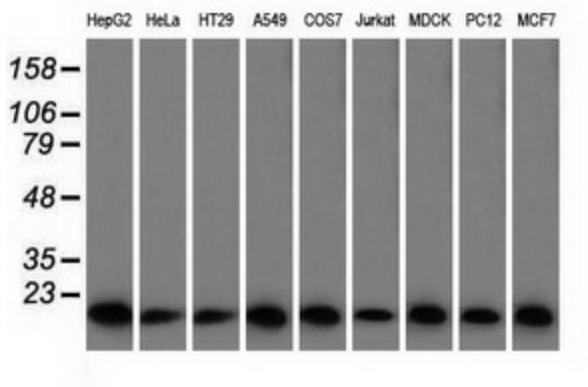
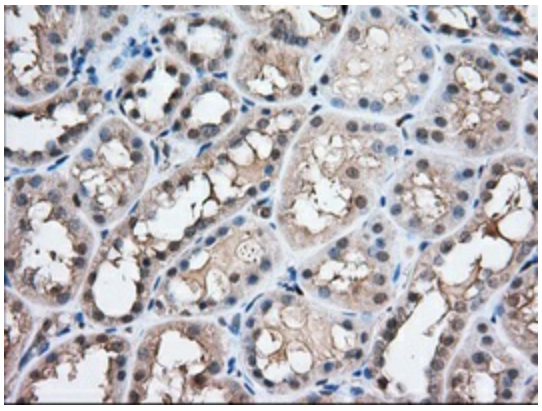
Product images:



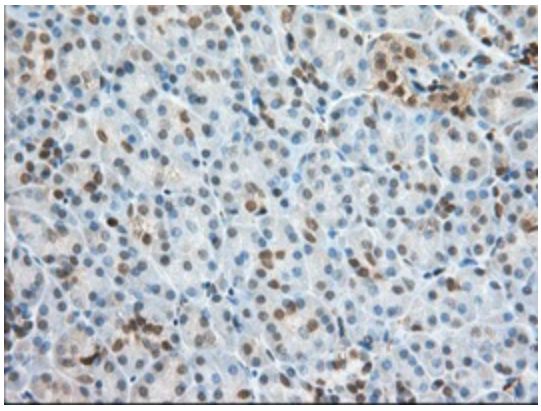
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PFN1 ([RC202338], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PFN1. Positive lysates [LY417584] (100ug) and [LC417584] (20ug) can be purchased separately from OriGene.



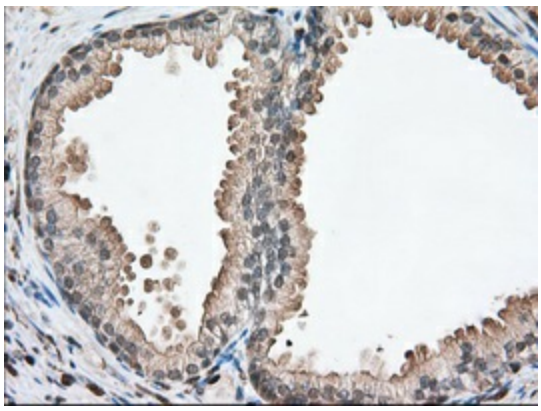
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PFN1 monoclonal antibody.



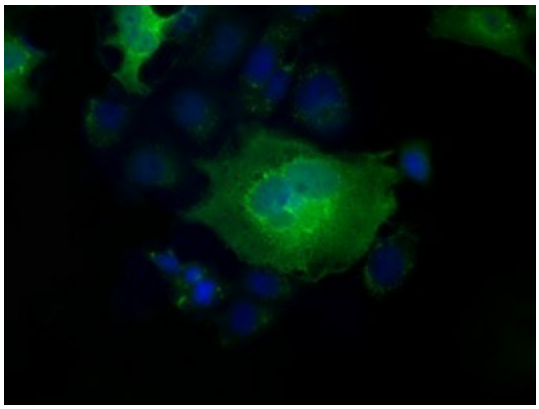
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PFN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501243, Dilution 1:50)



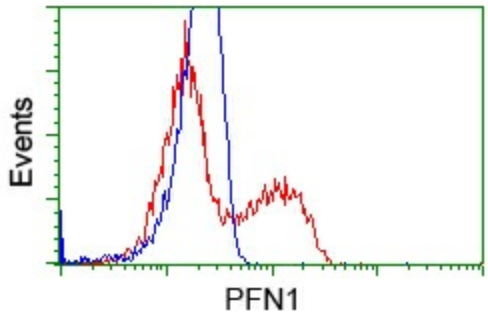
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-PFN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501243, Dilution 1:50)



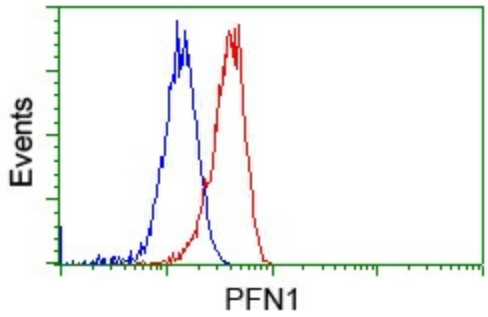
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-PFN1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501243, Dilution 1:50)



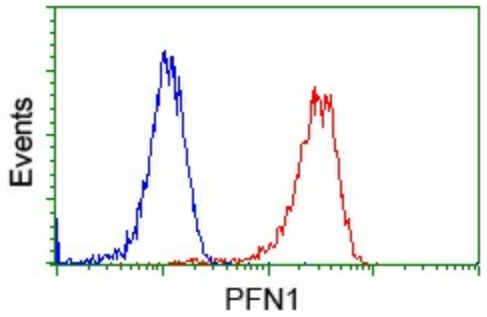
Anti-PFN1 mouse monoclonal antibody (TA501243) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PFN1 ([RC202338]).



HEK293T cells transfected with either [RC202338] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PFN1 antibody (TA501243), and then analyzed by flow cytometry.



Flow cytometric Analysis of Hela cells, using anti-PFN1 antibody (TA501243), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-PFN1 antibody (TA501243), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).