

Product datasheet for **AM09068PU-S**

Cyclophilin F (PPIF) Mouse Monoclonal Antibody [Clone ID: AT1F5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1F5
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	ELISA. Western blot: 1/500 - 1/1000. Flow Cytometry. Immunohistochemistry on Paraffin sections: 1/50-1/100. Immunofluorescence/Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human PPIF (30-207 aa) purified from E. coli
Specificity:	The antibody recognizes PPIF.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	peptidylprolyl isomerase F
Database Link:	Entrez Gene 10105 Human P30405



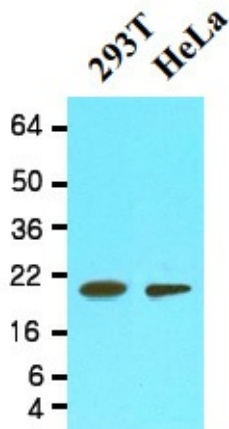
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Background:

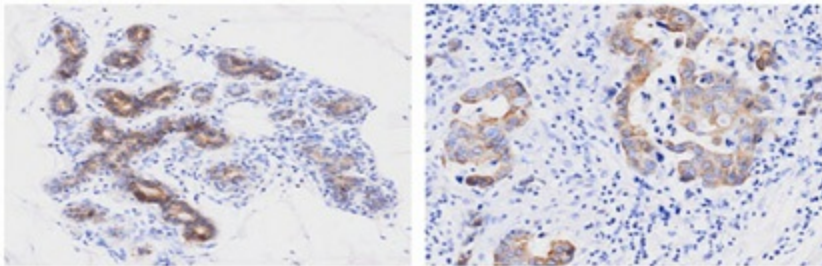
Cyclophilin F (also known as Peptidylprolyl isomerase F, PPIF) is a member of peptidyl-prolyl cis-trans isomerase family. They are highly-conserved cytoplasmic enzymes that accelerate protein folding. This protein is part of the mitochondrial permeability transition pore in the inner mitochondrial membrane. Activation of this pore is thought to be involved in the induction of apoptotic and necrotic cell death.

Synonyms:

PPIase F, Rotamase F, PPIF, CYP3

Product images:


Western blot analysis: Cell lysates of 293T and HeLa (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human PPIF. (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Paraffin embedded sections of human breast cancer tissue were incubated with anti-human PPIF. (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1 M sodium citrate buffer and detected using Diaminobenzidine (DAB).