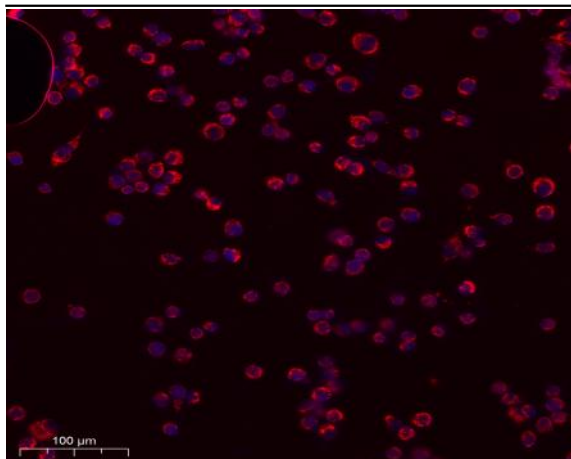


## Cyclophilin F Polyclonal Antibody

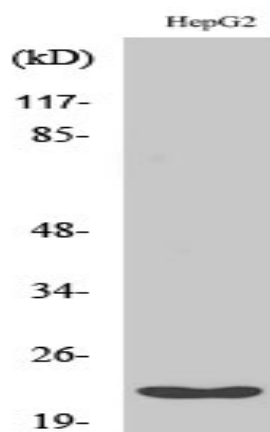
<b>Catalog No :</b>	YT1185
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Cyclophilin F
<b>Fields :</b>	>>Calcium signaling pathway;>>cGMP-PKG signaling pathway;>>Neutrophil extracellular trap formation;>>Alzheimer disease;>>Parkinson disease;>>Huntington disease;>>Spinocerebellar ataxia;>>Prion disease;>>Pathways of neurodegeneration - multiple diseases;>>Toxoplasmosis;>>Chemical carcinogenesis - reactive oxygen species;>>Diabetic cardiomyopathy
<b>Gene Name :</b>	PPIF
<b>Protein Name :</b>	Peptidyl-prolyl cis-trans isomerase F mitochondrial
<b>Human Gene Id :</b>	10105
<b>Human Swiss Prot No :</b>	P30405
<b>Mouse Gene Id :</b>	105675
<b>Mouse Swiss Prot No :</b>	Q99KR7
<b>Rat Gene Id :</b>	282819
<b>Rat Swiss Prot No :</b>	P29117
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human PPIF. AA range:86-135
<b>Specificity :</b>	Cyclophilin F Polyclonal Antibody detects endogenous levels of Cyclophilin F protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	22kD
<b>Background :</b>	The protein encoded by this gene is a member of the peptidyl-prolyl cis-trans isomerase (PPIase) family. PPIases catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. 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. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:Peptidylproline (omega=180) = peptidylproline (omega=0).,function:PPIases accelerate the folding of proteins.,function:PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.,similarity:Belongs to the cyclophilin-type PPIase family.,similarity:Contains 1 PPIase cyclophilin-type domain.,
<b>Subcellular Location :</b>	Mitochondrion matrix .
<b>Expression :</b>	Blood,Cord blood,Ovary,

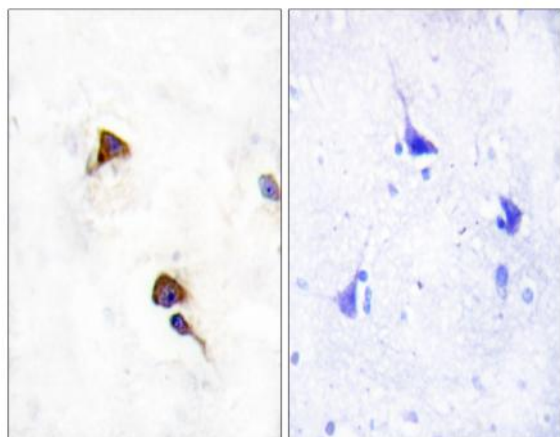
## Products Images



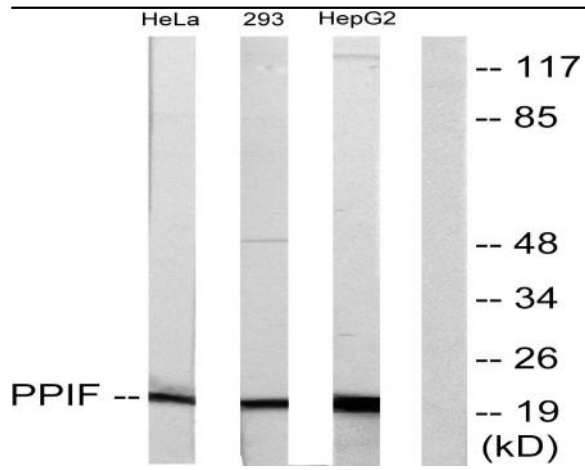
Immunofluorescence analysis of SiHa cell. 1,primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFfluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).



Western Blot analysis of HuvEc cells using Cyclophilin F Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using PPIF Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2, HeLa, and 293 cells, using PPIF Antibody. The lane on the right is blocked with the synthesized peptide.