

Product Datasheet

PPIF Antibody

Catalog No: AY3679

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC



www.abways.com

Information

UniProt ID: P30405

All Names: Peptidyl-prolyl cis-trans isomerase, mitochondrial [Precursor], EC 5.2.1.8, PPIase, Rotamase, Cyclophilin F, PPIF, CYP3

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide derived from human PPIF

Molecular Wt.: 22 kDa

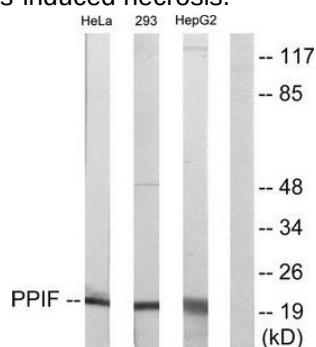
Application

WB: 1:500~1:1000

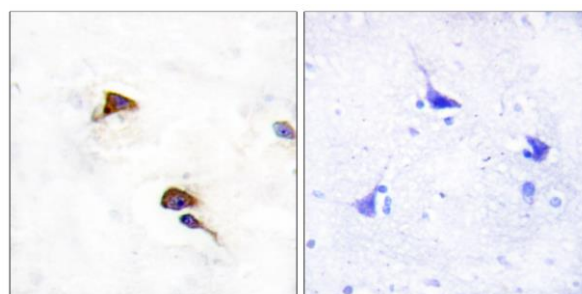
IHC: 1:50~1:200

Background

PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Involved in regulation of the mitochondrial permeability transition pore (mPTP). It is proposed that its association with the mPTP is masking a binding site for inhibiting inorganic phosphate (Pi) and promotes the open probability of the mPTP leading to apoptosis or necrosis; the requirement of the PPIase activity for this function is debated. In cooperation with mitochondrial TP53 is involved in activating oxidative stress-induced necrosis.



Western blot analysis of extracts from HeLa cells, 293 cells and HepG2 cells, using PPIF antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using PPIF antibody.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com