

Cyclophilin F polyclonal antibody

Catalog: BS90362

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cyclophilins are conserved, ubiquitous and abundant cytosolic peptidyl-prolyl cis-trans isomerases that accelerate the isomerization of XaaPro peptide bonds and the re-folding of proteins. Human cyclophilin A (CyPA), an intracellular protein of 165 amino acids, is the target of cyclosporin A (CsA) and is encoded by a single unique gene conserved between yeast to humans. Cyclophilin B (CyPB) is secreted in biological fluids such as blood or milk, and binds to a specific receptor present on human peripheral blood lymphocytes and expressed in Jurkat cells, a line of human lymphoblasts. Cyclophilin D (Cyp40) is a widely expressed cytoplasmic protein that catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Cyclophilin F (Cyp3), is also known as PPIF, Cyp-D or Rotamase F, is a 207 amino acid mitochondrial matrix protein involved in the induction of necrotic and apoptotic cell death through the activation of the mitochondrial permeability transition (mPT) pore.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

20 kDa

Swiss-Prot:

P30405(Human) Q99KR7(Mouse) P29117(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

IHC:1:50-1:200

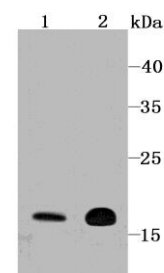
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

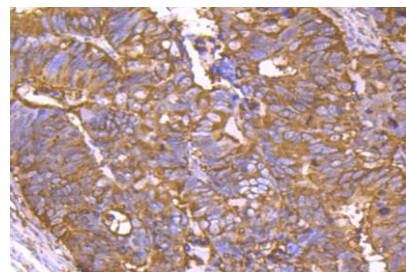
Specificity:

Cyclophilin F polyclonal antibody detects endogenous levels of Cyclophilin F protein.

DATA:



Western blot analysis of Cyclophilin F on human heart (1) and human brain (2) tissue lysate using anti-Cyclophilin F antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-Cyclophilin F antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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