



## PPIA Antibody

#24350

**Catalog Number:** 24350-1, 24350-2

**Amount:** 50µg/50µl, 100µg/100µl

**Swiss-Prot No. :** P62937

**Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage/Stability:** Store at -20°C/1 year

**Immunogen:** The antiserum was produced against synthesized peptide derived from Human PPIA

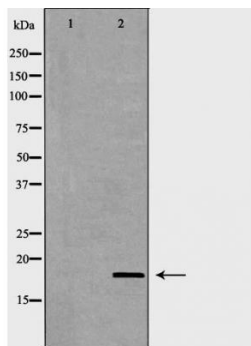
**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Specificity/Sensitivity:** PPIA Antibody detects endogenous levels of total PPIA

**Reactivity:** Human, Mouse, Rat

### Applications:

Predicted MW: 18kd    WB: 1:500-2000    IHC: 1:50-200



Western blot analysis of extracts of various cell lines, using PPIA antibody.

### Background :

Cyclophilins are a highly conserved family of peptidylprolyl-cis-trans-isomerases (PPIA) that are targets of the immunosuppressant drug cyclosporin A (CsA). The complex of cyclophilin and CsA can bind to and inhibit calcineurin which leads to inhibition of the transcription factor NFAT and decreased production of cytokines. As isomerases, cyclophilins have been proposed to aid in protein folding. Cyclophilin A can bind to the p55 Gag protein of HIV and appears necessary for HIV infection. There is also some evidence that cyclophilins have nuclease activity and play a role in apoptosis.