

PPIA Antibody

Catalog No: #32114



Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

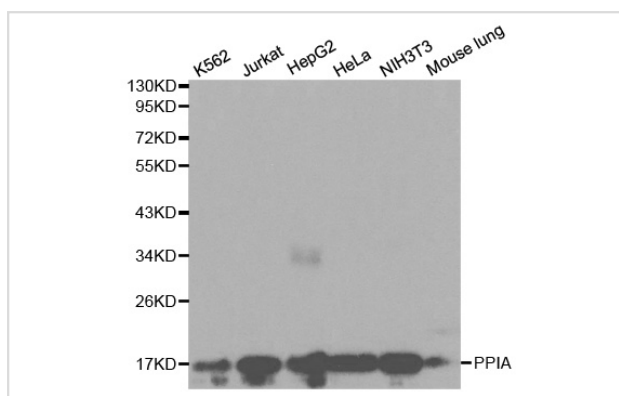
Product Name	PPIA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total PPIA protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PPIA.
Target Name	PPIA
Other Names	PPIA; CYPA; CYPH; MGC117158; MGC12404
Accession No.	Swiss-Prot:P62937NCBI Gene ID:5478
SDS-PAGE MW	18KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

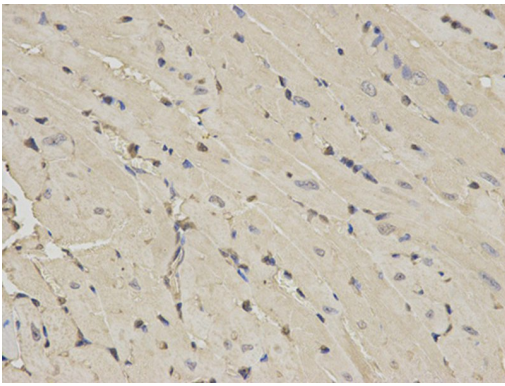
Western blotting: 1:500 - 1:2000

Immunohistochemistry: 1:50 - 1:200

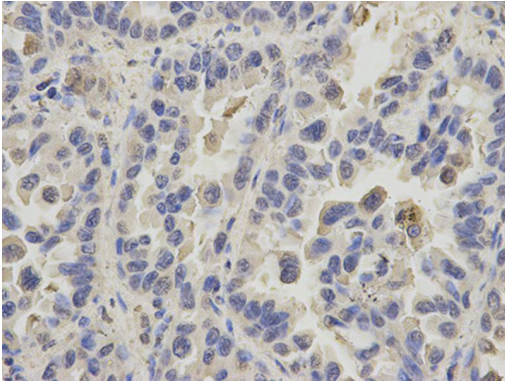
Images



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



Immunohistochemical analysis of paraffin-embedded mouse heart using PPIA antibody at dilution of 1:200 (400x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using PPIA antibody at dilution of 1:200 (400x lens).

Background

Cyclophilins are a highly conserved family of peptidylprolyl cis-trans-isomerases (PPIA) that are targets of the immunosuppressant drug cyclosporin A (CsA) (1,2). 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 (3,4). As isomerases, cyclophilins have been proposed to aid in protein folding. Cyclophilin A can bind to the p53 Gag protein of HIV and appears necessary for HIV infection (5,6). There is also some evidence that cyclophilins have nuclease activity and play a role in apoptosis (7).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.