

PKR (Phospho-Thr451) Antibody

Catalog No: #60285

Package Size: #60285-1 50ul #60285-2 100ul

Description

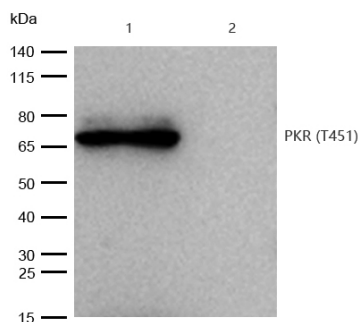
Product Name	PKR (Phospho-Thr451) Antibody
Host Species	Rabbit
Clonality	Monoclonal
Clone No.	SR4377
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB, ICC/IF
Species Reactivity	Human
Immunogen Description	A synthesized peptide derived from human Phospho-Phospho-PKR (T451)
Conjugates	Unconjugated
Calculated MW	Predicted band size: 68 kDa
SDS-PAGE MW	Observed band size: 68 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB: 1:500-1:2000

ICC/IF: 1:50-1:200

Images

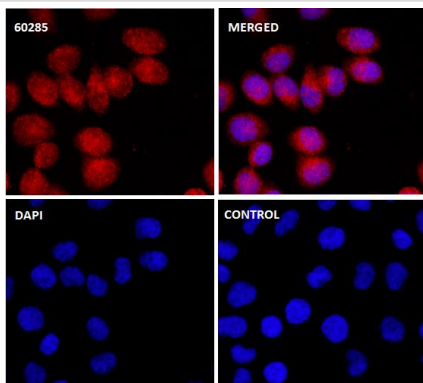


All lanes : PKR (Phospho-Thr451) Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type Hela cell lysate

Lane 2 : PKR (T451) knockout Hela cell lysate

Lysates/proteins at 20 µg per lane.



Immunocytochemistry/Immunofluorescence PKR (Phospho-T451) antibody (60285)
 ICC/IF staining of PKR (Phospho-T451) in HeLa cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.
 Samples were incubated with 60285 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 647 goat anti rabbit, used at a dilution of 1/500.
 The negative control is shown in bottom right hand panel - for the negative control. Nuclei were counterstained with DAPI.

Background

Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection.

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