

NPTII/Neomycin Phosphotransferase 2 antibody

Catalog No: #62143

Package Size: #62143 100ul

Description

Product Name	NPTII/Neomycin Phosphotransferase 2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity purified by Protein A.
Applications	WB, IHC-P, IHC-F, IF, ICC/IF, ELISA
Species Reactivity	Klebsiella pneumoniae
Immunogen Type	Peptide
Immunogen Description	peptide derived from Klebsiella pneumoniae Neomycin Phosphotransferase 2:101-200/264
Target Name	NPTII/Neomycin Phosphotransferase 2
Calculated MW	32 kDa
Concentration	1mg/ml
Formulation	Liquid in 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Storage	Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle.

Background

Neomycin phosphotransferase II confers resistance to kanamycin and neomycin in bacteria and G418 (Geneticin? G418 Sulfate) in mammalian cells. These antibiotics bind to ribosomal components and inhibit protein synthesis. NPT II inhibits these antibiotics through phosphorylation, which is thought to interfere with their active transport into the cell. Immunoblot analysis of transfected cell lysates with anti NPT II can be used to gauge relative transfection efficiencies in experiments where multiple transfections are performed in parallel with different plasmids.

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