

Product Datasheet

NPTII Mouse mAb

Catalog No: AB3319

Reactivity: recombinant protein

Isotype: Mouse IgG1

Applications: WB



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Information

UniProt ID:

All Names: Aminoglycoside 3' phosphotransferase; APH(3')II; aphA; Neomycine phosphotransferase; NPTII;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

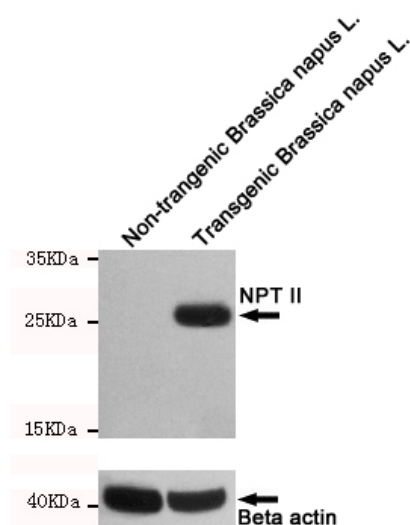
Molecular Wt.: 29KDa

Application

WB 1:1000

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.



Western blot detection of NPT II in non-transgenic Brassica napus L. and transgenic Brassica napus L. cell lysates using NPT II mouse mAb (1:1000 diluted). Predicted band size: 29KDa. Observed band size: 29KDa.

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