

NPT Ab

[Images\(1\)](#)

Cat.#: BF0645	Concn.: ~1mg/ml	Mol.Wt.: 30kDa
Size:	Source: Mouse	Clonality: Monoclonal

Application:	ELISA 1:10000, WB 1:500-1:2000 *The optimal dilutions should be determined by the end user.
Reactivity:	Human
Storage:	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.
Purification:	Affinity-chromatography.
Immunogen:	Purified recombinant fragment of human NPT expressed in E. Coli.
Uniprot:	P14509
Description:	Neomycin phosphotransferase II (nptII) gene is used in selection of transformed organisms. It was initially isolated from the transposon Tn5 that was present in the bacterium strain Escherichia coli K12. The gene codes for the aminoglycoside 3'-phosphotransferase (denoted aph(3')-II or NPTII) enzyme. NPTII is probably the most widely used selectable marker for plant transformation. It is also used in gene expression and regulation studies in different organisms in part because N-terminal fusions can be constructed that retain enzymatic activity. In animal cells, G418 and neomycin are used as selectable agents.

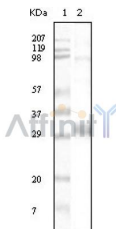


Figure 1: Western blot analysis using NPT mouse mAb against truncated NPT recombinant protein.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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