

Purified anti-Phosphotyrosine

Catalog # / Size: 2146510 / 100 µg
2146505 / 25 µg

Clone: PY20

Isotype: Mouse IgG2b, κ

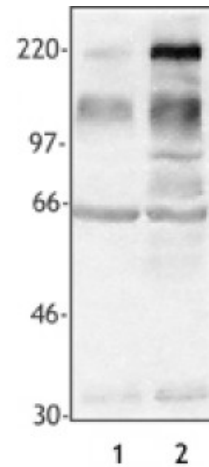
Immunogen: KLH-conjugated phosphotyrosine

Reactivity: Human, Mouse, Non-human primate, Other, Rat

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. Final antibody concentration is 0.5 mg/ml.

Concentration: 0.5



Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal anti-phosphotyrosine antibody (clone PY-20). Lane 1, serum-starved Hela cells; Lane 2, serum-starved Hela cells following serum addition f

Applications:

Applications: Other

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Suggested working dilution(s): Use 1-2 microg per ml antibody dilution buffer per mini-gel. Do not use dilution or blocking buffers containing milk as they may interfere with antibody binding to proteins of interest. Dilution and blocking buffers containing 4% bovine serum albumin are recommended for use with this antibody. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunoprecipitation^{1,2}, Western blotting^{1,2}, immunofluorescence microscopy³.

Application References:

1. Vuori K, *et al.* 1995. *J. Biol. Chem.* 270:22259. (IP, WB)
2. Glenney J, *et al.* 1988. *J. Immunol. Meth.* 109:277. (IP, WB)
3. Prahallad P, *et al.* 2004. *Am J Physiol Cell Physiol* 286:C693. (IF)
4. Zentillin L, *et al.* 2009. *FASEB J.* 24:1467. [PubMed](#)
5. Philipsen L, *et al.* 2013. *Mol Cell Proteomics.* 12:2551. [PubMed](#)
6. Cespedes PF, *et al.* 2014. *PNAS.* 111:3214. [PubMed](#)

Description: Phosphorylation is a common modification of proteins that can result in alterations in protein function, protein-protein association, cellular localization, and protein-half life. Phosphorylation can occur on threonine, serine, and tyrosine residues. The PY20 monoclonal antibody recognizes phosphorylated tyrosine residues in all species tested (human, mouse, rat, dog, chicken, and frog). The PY20 antibody has been shown to be useful for flow cytometry, immunoprecipitation, Western blotting, and immunofluorescence staining.