

Anti-Phosphotyrosine [PY20] Standard size

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Description: Recombinant monoclonal antibody to Phosphotyrosine. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma PY20. This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Mouse IgG1, [Fc Silent™](#), kappa

Clone Number: PY20

UniProt Accession Number of Target Protein:

Published Application(s): WB; IF; IHC-P; IHC-FoFr; IP

Published Species Reactivity: Species independent

Immunogen: Phosphotyrosine conjugated to Keyhole limpet hemocyanin (KLH).

Specificity: PY20 recognizes phospho-tyrosine and phosphotyrosine containing proteins with a reported Kd of 500 nM for the original clone. Whilst phospho-Phenylalanine (Kd = 4 uM M), phospho-Serine (>100 mM) & phospho-Threonine (100 mM) are also detected, the differences in affinity make this antibody primarily phospho-tyrosine specific.

Antibody First Published in:

Glenney et al. J Immunol Methods. [PMID:2452204](#) **Note on publication:** Describes generation of anti-phosphotyrosine antibodies, including PY20

Product Form

This is a Standard size product. Purified antibody.

Purification: Protein A affinity purified

Supplied in: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Product Code: Ab00294-1.4

Mouse IgG1

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.