

Product datasheet

Anti-Phosphotyrosine antibody [PY20] (HRP) ab16389

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Overview

Product name	Anti-Phosphotyrosine antibody [PY20] (HRP)
Description	Mouse monoclonal [PY20] to Phosphotyrosine (HRP)
Host species	Mouse
Conjugation	HRP
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Species independent
Immunogen	Phosphotyrosine coupled to carrier protein.
Positive control	This antibody gave a positive signal in NIH 3T3 treated with Vanadate and PDGF Whole Cell Lysate.
General notes	<p>This antibody is known to be inhibited by divalent cations (>1mM) and high salt concentrations (>0.2M).</p> <p>Alternative versions available: Anti-Phosphotyrosine antibody [PY20] (ab10321) Anti-Phosphotyrosine antibody (FITC) [PY20] (ab25416)</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: None Constituents: 50% Glycerol, 0.15M Sodium chloride, 0.02M Sodium phosphate. pH 7.5
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	PY20
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab16389** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

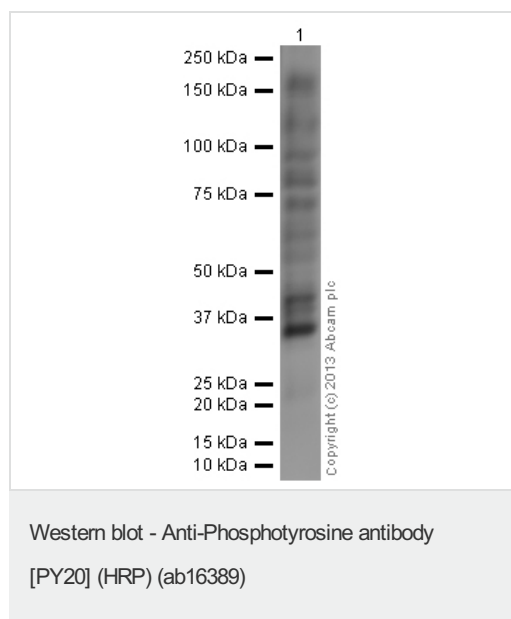
Application	Abreviews	Notes
IHC-P		1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/5000.

Target

Relevance

The phosphorylation of specific tyrosine residues has been shown to be a primary mechanism of signal transduction during normal mitogenesis, cell cycle progression and oncogenic transformation, its role in other areas such as differentiation and gap junction communication, is a matter of active and ongoing research. Antibodies that specifically recognize phosphorylated tyrosine residues have proved to be invaluable to the study of tyrosine phosphorylated proteins and the biochemical pathways in which they function.

Images



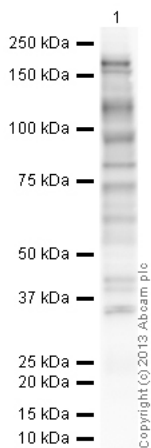
Anti-Phosphotyrosine antibody [PY20] (HRP) (ab16389) at 1/5000 dilution + NIH 3T3 treated with Vanadate and PDGF Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 40 kDa

Exposure time: 10 seconds



Western blot - Anti-Phosphotyrosine antibody
[PY20] (HRP) (ab16389)

Anti-Phosphotyrosine antibody [PY20] (HRP)
(ab16389) at 1/5000 dilution ((BLOCKED
WITH 3% MILK)) + NIH 3T3 treated with
Vanadate and PDGF Whole Cell Lysate at 10
 μ g

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 40 kDa

Exposure time: 2 minutes

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