abcam

Product datasheet

HRP Anti-Phosphotyrosine antibody [PY20] ab16389

★★★★★ 1 Abreviews 17 References 2 Images

Overview

Product name	HRP Anti-Phosphotyrosine antibody [PY20]
Description	HRP Mouse monoclonal [PY20] to Phosphotyrosine
Host species	Mouse
Conjugation	HRP
Tested applications	**Suitable for:** WB **Unsuitable for:** IHC-P
Species reactivity	**Reacts with:** Species independent
Immunogen	Chemical/ Small Molecule. This information is proprietary to Abcam and/or its suppliers.
Positive control	This antibody gave a positive signal in NIH 3T3 treated with Vanadate and PDGF Whole Cell Lysate.
General notes	This antibody is known to be inhibited by divalent cations (>1mM) and high salt concentrations (>0.2M). The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 1% BSA, 30% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Monoclonal

Clone number	PY20
Isotype	IgG2b

Applications

The Abpromise guarantee 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.

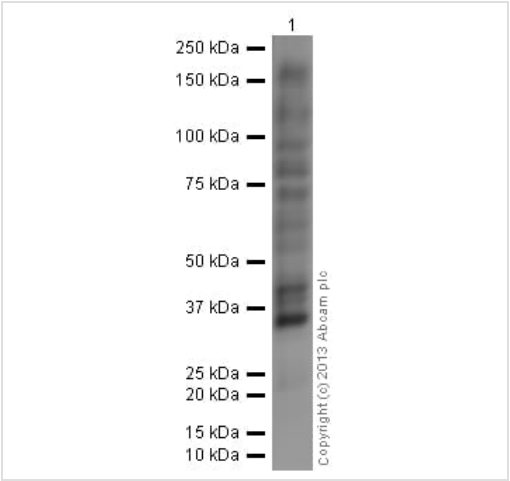
Application	Abreviews	Notes
WB		1/5000.

Application notes Is unsuitable for IHC-P.

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



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

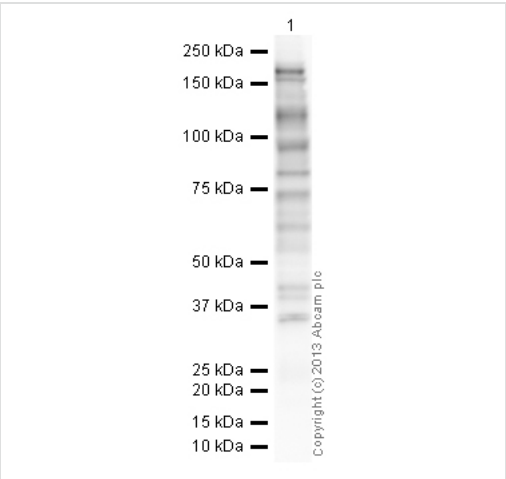
HRP Anti-Phosphotyrosine antibody [PY20] (ab16389) at 1/5000 dilution + NIH 3T3 treated with Vanadate and PDGF Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Observed band size: 40 kDa

Exposure time: 10 seconds



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

HRP Anti-Phosphotyrosine antibody [PY20] (ab16389) at 1/5000 dilution ((BLOCKED WITH 3% MILK)) + 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: 2 minutes

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