

Product datasheet

Anti-Phosphotyrosine antibody ab9319

★★★★★ 2 Abreviews 8 References 2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-Phosphotyrosine antibody |
| Description | Rabbit polyclonal to Phosphotyrosine |
| Host species | Rabbit |
| Specificity | Recognize proteins and peptides phosphorylated on tyrosine residues. No cross-reaction with phosphoserine and threonine. |
| Tested applications | Suitable for: ELISA, IP, WB, IHC-P, IHC-Fr |
| Species reactivity | Reacts with: Species independent |
| Immunogen | Chemical/ Small Molecule corresponding to Phosphotyrosine conjugated to keyhole limpet haemocyanin. Phospho-tyrosine KLH conjugates |
| Positive control | Use Vanadium treated cell culture (30 min) for Western Blotting and Tyrosine-phosphorylated peptide for ELISA. Human breast cancer tissue |
| General notes | <p>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.</p> <p>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</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 6.00 Preservative: 0.01% Sodium azide Constituent: 0.114% Tris buffered saline |
| Purity | Immunogen affinity purified |
| Purification notes | Affinity purified with phospho-tyrosine on agarose and competitively eluted with N-acetylated phospho-tyrosine. |
| Clonality | Polyclonal |

Isotype

IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab9319 in the following tested applications.

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

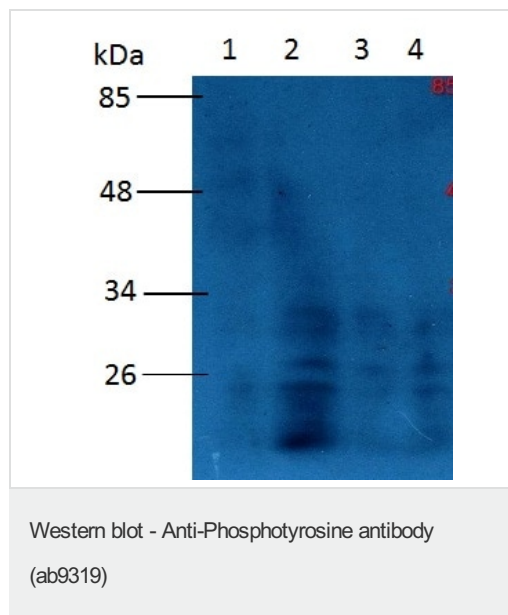
| Application | Abreviews | Notes |
|-------------|-----------|---|
| ELISA | | 1/1000. |
| IP | | Use at an assay dependent concentration. 10 µg/500 µg protein sample. |
| WB | ★★★★★ (2) | 1/250. |
| IHC-P | | 1/50. |
| IHC-Fr | | 1/50. |

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



All lanes : Anti-Phosphotyrosine antibody (ab9319) at 0.5 µg/ml

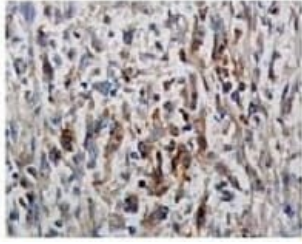
Lane 1 : 5 ul of crude protein from of HeLa cell lysate treated with fetal calf serum

Lane 2 : 15 ul of crude protein from HeLa cell lysate treated with fetal calf serum

Lane 3 : 5 ul of crude protein from HeLa cell lysate

Lane 4 : 15 ul of crude protein from HeLa cell lysate

Lysates/proteins at 2 mg/ml per lane.



Immunohistochemistry analysis of human breast cancer
with ab9319

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Phosphotyrosine antibody (ab9319)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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