


Product datasheet

Anti-PAK4 (phospho S474) antibody ab125274

1 Image

Overview

| | |
|----------------------------|--|
| Product name | Anti-PAK4 (phospho S474) antibody |
| Description | Rabbit polyclonal to PAK4 (phospho S474) |
| Host species | Rabbit |
| Specificity | ab125274 recognizes the phosphorylated peptide only. It recognises the PAK4 protein at a phosphorylation site of Serine 474 (~68kDa), or serine 602 of PAK5 (~90kDa) or Serine 560 of PAK6 (~80 kDa). ab125274 does not cross react to PAK1, PAK2 or PAK3. |
| Tested applications | Suitable for: WB, IP, ELISA |
| Species reactivity | Reacts with: Mouse, Human Predicted to work with: Rat, Chicken, Cow, Dog  |
| Immunogen | A synthetic peptide surrounding the epitope RKSLV-with a phosphorylation at Serine 474 of Human PAK4. This sequence is also identical within rat, mouse, chicken, cow and dog species. |
| Positive control | HEK293 cell lysate |

Properties

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| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.20 Preservative: 0.05% Proclin Constituent: PBS Note: Contains antibody stabilizer |
| Purity | Immunogen affinity purified |
| Purification notes | ab125274 is purified by phosphospecific-epitope affinity purification. |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab125274** in the following tested applications.

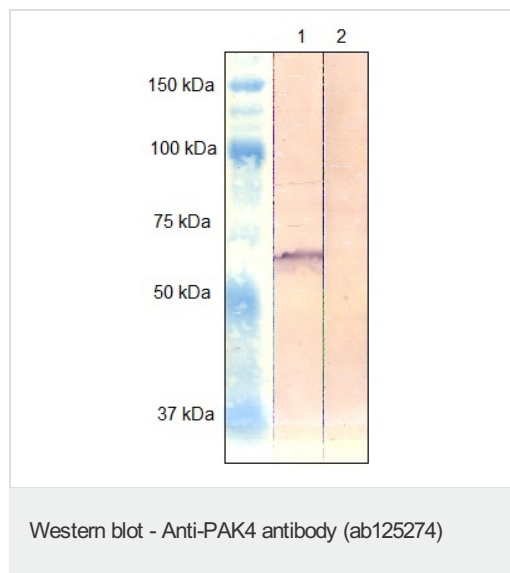
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | Use a concentration of 0.1 - 1 µg/ml. Detects a band of approximately 68 kDa (predicted molecular weight: 64 kDa). |
| IP | | Use a concentration of 2 - 5 µg/ml. |
| ELISA | | Use a concentration of 0.01 - 0.1 µg/ml. |

Target

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| Function | Activates the JNK pathway. Plays a role in the reorganization of the actin cytoskeleton and in the formation of filopodia. Phosphorylates and inactivates the protein phosphatase SSH1, leading to increased inhibitory phosphorylation of the actin binding/depolymerizing factor cofilin. Decreased cofilin activity may lead to stabilization of actin filaments. Phosphorylates ARHGEF2. |
| Tissue specificity | Highest expression in prostate, testis and colon. |
| Sequence similarities | Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CRIB domain. Contains 1 protein kinase domain. |
| Post-translational modifications | Autophosphorylated on serine residues when activated by CDC42/p21. Phosphorylated on tyrosine residues upon stimulation of FGFR2. |

Images



All lanes : Anti-PAK4 (phospho S474) antibody (ab125274) at 1/500 dilution

Lane 1 : HEK293 cell lysate

Lane 2 : HEK293 cell lysate with immunizing peptide

Predicted band size: 64 kDa

Observed band size: 68 kDa

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