

PAK6 Polyclonal Antibody

Catalog NumberPA1-24578

Product data sheet

| Details | |
|--------------------|--|
| Size | 25 µg |
| Host/Isotope | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Immunogen | Synthetic peptide - KLH conjugated. |
| Conjugate | Unconjugated |
| Form | Liquid |
| Concentration | 1 mg/mL |
| Storage Conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |

| Species Reactivity | |
|---|-------------------------------|
| Species reactivity | Human |
| Tested Applications | |
| Immunohistochemistry (Paraffin) (IHC (P)) | Dilution * Assay-dependent |

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

PA1-24578 detects P21-Activated Kinase 6 (PAK6) in Human samples. PA1-24578 has been successfully used in Immunohistochemistry (paraffin) procedures. PA1-24578 immunogen corresponds to Synthetic peptide - KLH conjugated.

Background/Target Information

The p21-activated kinases (PAKs) are serine-threonine kinases that bind to the active forms of Cdc42 and Rac. They are divided into two groups, the first of which include PAK1, 2 and 3, and can be activated by Cdc42/Rac binding. Group 1 PAKs contain an autoinhibitory domain whose activity is regulated by Cdc42/Rac binding. The group 1 PAKs are known to be involved in cellular processes such as gene transcription, apoptosis, and cell morphology and motility. Much less is known about the second group, which includes PAK4, 5 and 6. These proteins are not activated by Cdc42/Rac binding. PAK6 was initially identified as an androgen receptor in a yeast two hybrid screen and was found to be highly expressed in testis and prostate tissues. Later experiments have shown it to be activated by MAP kinase kinase 6 and p38 MAP kinase, suggesting that PAK6 may play a role in the cellular response to stress-related signals.

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