

## Pyk2 Antibody | anti-Pyk2 antibody

Pyk2 (Phospho-Tyr402) Antibody

|                               |                                        |                                                           |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA110975</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|----------------------------------------|-----------------------------------------------------------|

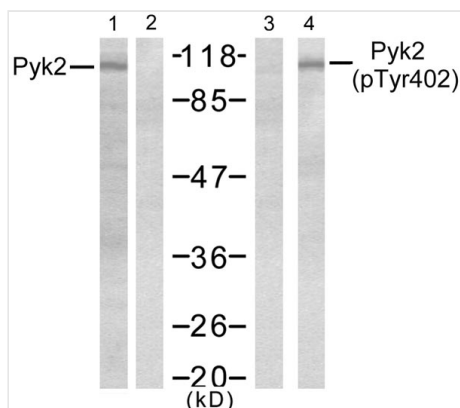
### PRODUCT SYNONYMS

Pyk2; Pyk2 (Phospho-Tyr402) Antibody; anti-Pyk2 antibody

### PRODUCT SPECIFICATIONS

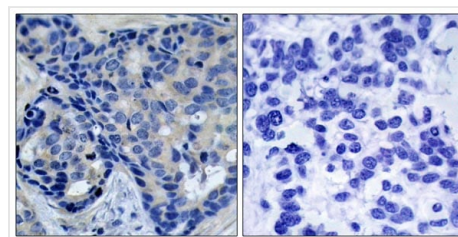
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|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                   |
| Specificity                                    | Pyk2 (phospho-Tyr402) antibody detects endogenous levels of Pyk2 only when phosphorylated at tyrosine 402.                                                                                                                                          |
| Purity/Purification                            | Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Form/Format                                    | In phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                             |
| Sequence Length                                | 1009                                                                                                                                                                                                                                                |
| Applicable Applications for anti-Pyk2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                       |
| Immunogen                                      | The antiserum was produced against synthesized phosphopeptide derived from human Pyk2 around the phosphorylation site of tyrosine 402 (D-I-YP-A-E).                                                                                                 |
| Preparation and Storage                        | Store at -20 degree C for 1 year                                                                                                                                                                                                                    |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extract from Jurkat cells, untreated or treated with PMA (1ng/ml, 5min), using Pyk2 (Ab-402) antibody and Pyk2 (phospho-Tyr402) antibody.



#### IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using Pyk2 (phospho-Tyr402) antibody.

### ADDITIONAL INFORMATION

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|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-Pyk2 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |                                                                                                                                                                                                                                                                                                 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| References | Gluck SL, et al. (2004) J Clin Invest; 114(12): 1696-1699 Benzing T, et al. (2001) Proc Natl Acad Sci U S A; 98(17): 9784-9789 Tian D, et al. (2002) Mol Cell Biol; 22(8): 2650-2662 Lu Z, et al. (2001) Mol Cell Biol; 21(12): 4016-4031 Krishnan HH, et al. (2006) J Virol; 80(3): 1167-1180. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 27886584                                                |
| NCBI GeneID                      | 2185                                                    |
| NCBI Accession #                 | NP_004094.3                                             |
| NCBI GenBank Nucleotide #        | NM_004103.4                                             |
| UniProt Accession #              | Q14289; Q13475; Q14290; Q16709; Q6PID4; D3DST0          |
| Molecular Weight                 | 111,183 Da                                              |
| NCBI Official Full Name          | protein-tyrosine kinase 2-beta isoform a                |
| NCBI Official Synonym Full Names | protein tyrosine kinase 2 beta                          |
| NCBI Official Symbol             | PTK2B                                                   |
| NCBI Official Synonym Symbols    | PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK         |
| NCBI Protein Information         | protein-tyrosine kinase 2-beta                          |
| UniProt Protein Name             | Protein-tyrosine kinase 2-beta                          |
| UniProt Gene Name                | PTK2B                                                   |
| UniProt Synonym Gene Names       | FAK2; PYK2; RAFTK; CADTK; CAK-beta; CAKB; FADK 2; RAFTK |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.