

## Rabbit PYK2 Polyclonal Antibody | anti-PYK2 antibody

Phospho-PYK2 (Y580) Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA171871 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

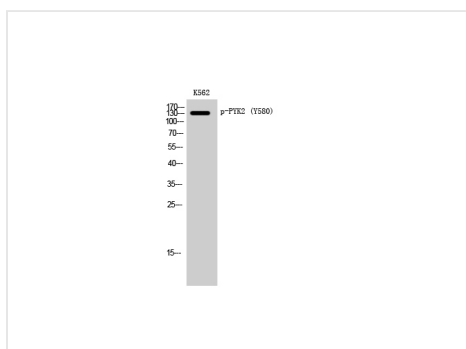
### PRODUCT SYNONYMS

PYK2; Polyclonal Antibody; Phospho-PYK2 (Y580) Polyclonal Antibody; PTK2B; FAK2; RAFTK; Protein-tyrosine kinase 2-beta; Calcium-dependent tyrosine kinase; CADTK; Calcium-regulated non-receptor proline-rich tyrosine kinase; Cell adhesion kinase beta; CAK-beta; CAKB; Focal adhesion kinase 2; FADK 2; Pro; anti-PYK2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                |
| Reactivity                                     | Human, Mouse, Rat                                                                     |
| Clonality                                      | Polyclonal                                                                            |
| Isotype                                        | IgG                                                                                   |
| Purity/Purification                            | Affinity purification                                                                 |
| Concentration                                  | 1mg/mL (varies by lot)                                                                |
| Applicable Applications for anti-PYK2 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                  |
| Immunogen                                      | Synthesized peptide derived from human PYK2 around the phosphorylation site of Y580.. |
| Calculated MW                                  | 116 kDa                                                                               |
| Observed MW                                    | 130 kDa                                                                               |
| Buffer                                         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.               |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze / thaw cycles.                                    |

### IMAGES



#### WB (Western Blot)

Western Blot analysis of K562 cells with Phospho-PYK2 (Tyr580) Polyclonal Antibody

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PYK2 antibody | Involved in calcium induced regulation of ion channel and activation of the map kinase signaling pathway. May represent an important signaling intermediate between neuropeptide activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. Interacts with the SH2 domain of Grb2. May phosphorylate the voltage-gated potassium channel protein Kv1.2. Its activation is highly correlated with the stimulation of c-Jun N-terminal kinase activity. Involved in osmotic stress-dependent SNCA 'Tyr-125' phosphorylation. In concert with SRC, plays an important role in osteoclastic bone resorption. Both the formation of a SRC-PTK2B complex, and SRC kinase activity are necessary for this function. The Tyr-402 phosphorylated form serves as a docking site for SRC and is important for the organization of the osteoclast actin cytoskeleton and attachment sites and for bone resorption. |
| Product Categories/Family for anti-PYK2 antibody   | Phospho Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 27886590                                                |
| NCBI GeneID                      | 2185                                                    |
| NCBI Accession #                 | NP_775268.1                                             |
| NCBI GenBank Nucleotide #        | NM_173176.2                                             |
| 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 |
| UniProt Entry Name               | FAK2_HUMAN                                              |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pyk2-antibody-immunohistochemistry-western-blot-elisa/171871>