

PYK2 Antibody | anti-PYK2 antibody

PYK2 (Phospho-Tyr580) Antibody

CATALOG # AAA267364	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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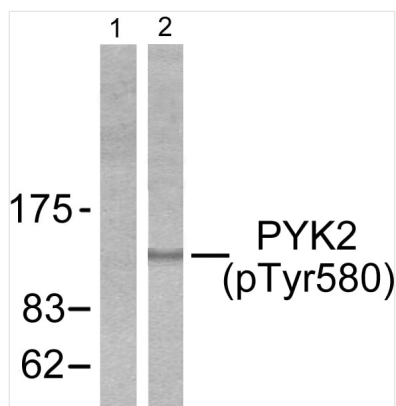
PRODUCT SYNONYMS

PYK2; PYK2 (Phospho-Tyr580) Antibody; PTK2B protein tyrosine kinase 2 beta isoform a; PTK2B protein tyrosine kinase 2 beta isoform b; calcium-dependent tyrosine kinase; cell adhesion kinase beta; focal adhesion kinase 2; proline-rich tyrosine kinase 2 protein kinase B; related adhesion focal tyrosine kinase; anti-PYK2 antibody

PRODUCT SPECIFICATIONS

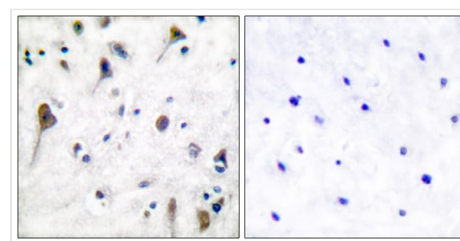
Reactivity	Human, Mouse, Rat
Specificity	PYK2 (phospho-Tyr580) antibody detects endogenous levels of PYK2 only when phosphorylated at tyrosine 580.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1009
Applicable Applications for anti-PYK2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human PYK2 around the phosphorylation site of tyrosine 580 (D-Y-YP-K-A).
All Sites	Human: Tyr580 Mouse: Tyr580 Rat: Tyr580
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from K562 cells, using PYK2 (phospho-Tyr580) antibody.



IHC (Immunohistochemistry)

P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using PYK2 (phospho-Tyr580) antibody.

ADDITIONAL INFORMATION

References	Yoshiko Banno, J. Biol. Chem., Apr 2005; 280: 16319-16324. Robin R. Hodges, Invest. Ophthalmol. Vis. Sci., Aug 2006; 47: 3352-3359. Sarah J. McLeod, J. Biol. Chem., Mar 2004; 279: 12009-12019. Chong-Shan Shi, J. Biol. Chem., Aug 2000; 275: 24470.
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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.

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Online datasheet: <https://stage.aaabiotech.com/human-mouse-rat-antibody/pyk2/267364>