

DNAxPAb

Hard-to-Find
Antibody

HK3 DNAxPab

Catalog # H00003101-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human HK3 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MDSIGSSGLRQGEETLSCSEEGLPGPSDSSELVQECLQQFKVTRAQLQQIQASLLGSMEQALRG
QASPAPAVRMLPTYVGSTPHGTEQGDFVVLELGATGASLRVLWVTLTGIEGHRVEPRSQEFVIPQ
EVMLGAGQQFLDFAAHCLSEFLDAQPVNKQGLQLGFSFSFPCHQTGLDRSTLISWTKGFRCSGV
EGQDVVQLLRDAIRRQGAYNIDVVAVVNDTVGTMMGCEPGVRPCEVGLVVDGTGNACYMEEAR
HVAVLDEDRGRVCVSVEWGSFSDDGALGPVLTTFDHTLDHESLNPGAQRFEKMIGGLYLGLVR
LVLAHLARCGVLFGGCTSPALLSQGSILLEHVAEMEDPSTGAARVHAILQDLGLSPGASDVELVQ
HVCAAVCTRAAQLCAAALAAVLSCQLHSREQQTLQVAVATGGRVCERHPRFCSVLQGTVMMLLA
PECDVSLIPSDVGGGRGVAMVTAVAAARLAHRRLLEETLAPFRLNHDQLAAVQAQMRKAMAKG
LRGEASSLRMLPTFVRATPDGSEGRGDFLALDLGGTNFRVLLVRVTTGVQITSEIYSIPETVAQSGS
QQFLDHFVDCVDFQKQKQGLSGQSLPLGFTFSFPCRQLGLDQGILLNWTGKFKASDCEGQDVVSL
LREAITRRQAVELNVVAIVNDTVGTMMSCGYEDPRCEIGLVGTGNACYMEELRNAGVPGDSG
RMCINMEWGAFGDDGSLAMLSTRFDASVDQASINPGKQRFKMGMYLGENVRHILLHLTSLGVL
FRGQQIQRLQTRDIFKTKFLSEIESDSLALRQVRAILEDLGLPLTSDDALMVLEVCAVVSQRAAQL
CGAGVAAVVEKIRENRGLEELAVSVGVDGTLYKLHPRFSSLVAATVRELAPRCVVTFLLQSEDGS
GKGAALVTAVACRLAQLTRV

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — HK3

Entrez GeneID [3101](#)

GeneBank Accession# [BC028129.1](#)

Protein Accession# [AAH28129.1](#)

Gene Name HK3

Gene Alias HKIII, HXK3

Gene Description hexokinase 3 (white cell)

Omim ID [142570](#)

Gene Ontology [Hyperlink](#)

Gene Summary Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate. [provided by RefSeq]

Other Designations ATP:D-hexose 6-phosphotransferase|hexokinase 3

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)

- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Fructose and mannose metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)
- [Type II diabetes mellitus](#)