



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

HK1 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00003098-B01

規格 : [50 uL]

[List All](#)

Specification

Product Description: Mouse polyclonal antibody raised against a full-length human HK1 protein.

Immunogen: HK1 (NP_277031.1, 1 a.a. ~ 916 a.a) full-length human protein.

Sequence:
 MDCEHLSLPCRGAEWEIGDKYLAMRLSDETLIDIMTRFRKEMKNGL
 SRDFNPTATVKMLPTFVRSIPDGSEKGFIALDLGGSSFRILRVQVNHEK
 NQNVHMESEVYDTPENIVHGSGSQLFDHVAECLGDFMEKRKIKDKKLPV
 GFTFSFPCQQSKIDEAILITWTKRFKASGVEGADVVKLLNKAIKKRGDYD
 ANIVAVVNDTVGTMTCGYDDQHCEVGLIIGTGNACYMEELRHIDLVEG
 DEGRMCINTEWGAFGDDGSLEDIRTEFDREIDRGS LNPGKQLFEKMVS
 GMYLGELVRLILVKMAKEGLLFEGRITPELLTRGKFNTSDVSAIEKNKEGL
 HNAKEILTRLGVESD DDCVSVQHVCTIVSFRSANLVAATLGAILNRLRDN
 KGTPRLRRTTVGV DGS LYKTHPQYSRRFHKTLRRLVPDSDVRFLLSESG
 SGKGAAMVTAVAYRLAEQHRQIEETLAHFHLTKDMLLEVKKRMRAEMEL
 GLRKQTHNNAVVKMLPSFVRRTPDGTENGDFLALDLGGTNFRVLLVKIR
 SGKKRTVEMHNKIYAIP EIMQGTGEELFDHIVSCISDFLDYMGIKGPRMPL
 GFTFSFPCQQTSLDAGILITWTKGFKATDCVGH DVVTLLRDAIKRREEFD
 LDVVAVVNDTVGTMTCAYEEPTCEVGLIVGTGSNACYMEEMKNVEMV
 EGDQQQMCINMEWGAFGDNGCLDDIRTHYDRLVDEYSLNAGKQRYEK
 MISGMYLGEIVRNILIDFTKKGFLFRGQISETLKTGRIFETKFLSQIESDRLA
 LLQVRAILQQLGLNSTCDD SILVKT VCGVSRRAAQLCGAGMAAVVDKIR
 ENRGLDRLNVTGV DGTLYKLHPHFSRIMHQTVKELSPKCNVSFLLSED
 GSGKGAALITAVGVRLRTEASS

Host: Mouse

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: No additive

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

Note: For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

MSDS: [Download](#)

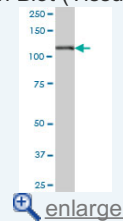
Datasheet: [Download](#)

Applications

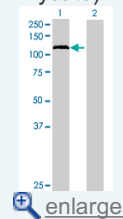
Western Blot (Tissue lysate)

Application Image

Western Blot (Tissue lysate)

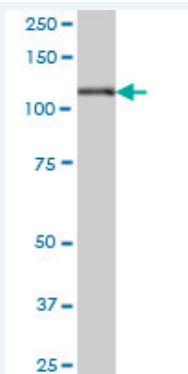


Western Blot (Transfected lysate)




Immunofluorescence

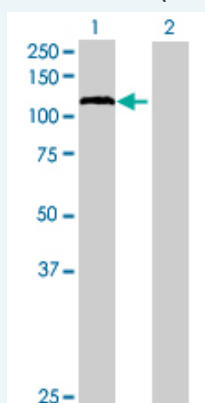




HK1 MaxPab polyclonal antibody. Western Blot analysis of HK1 expression in human spleen.

 [Protocol Download](#)

Western Blot (Transfected lysate)

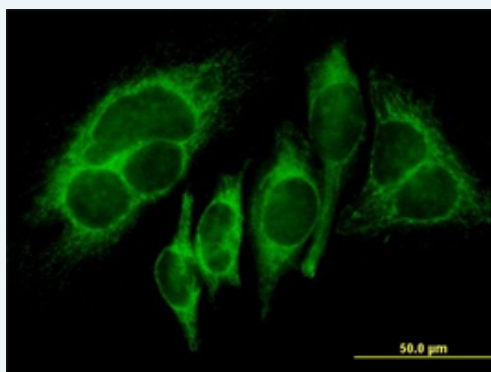



Western Blot analysis of HK1 expression in transfected 293T cell line ([H00003098-T01](#)) by HK1 MaxPab polyclonal antibody.

Lane1:HK1 transfected lysate(100.76 kDa).
Lane2:Non-transfected lysate.

 [Protocol Download](#)

Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to HK1 on HeLa cell. [antibody concentration 20 ug/ml]

 [Protocol Download](#)

Gene Information

Entrez GeneID: [3098](#)

GeneBank [NM_033496.1](#)
Accession#:

Protein [NP_277031.1](#)
Accession#:

Gene Name: HK1

Gene Alias: HK1-ta, HK1-tb, HK1-tc, HK1, HXK1

Gene hexokinase 1

Description:

Omim ID: [142600](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes a ubiquitous form of hexokinase which localizes to the outer membrane of mitochondria. Mutations in this gene have been associated with hemolytic anemia due to hexokinase deficiency. Alternative splicing of this gene results in five transcript variants which encode different isoforms, some of which are tissue-specific. Each isoform has a distinct N-terminus; the remainder of the protein is identical among all the isoforms. A sixth transcript variant has been described, but due to the presence of several stop codons, it is not thought to encode a protein. [provided by RefSeq]

Other Designations: OTTHUMP00000019725, brain form hexokinase, glycolytic enzyme

Gene Pathway

[Amino sugar and nucleotide sugar metabolism](#)
[Biosynthesis of alkaloids derived from histidine and purine](#)
[Biosynthesis of alkaloids derived from ornithine, lysine and nicotinic acid](#)
[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](#)

Related Disease

[Alzheimer Disease](#) [Attention Deficit Disorder with Hyperactivity](#) [Diabetes Mellitus, Type 2](#)
[Diseases in Twins](#) [Genetic Predisposition to Disease](#) [Obesity](#) [Tobacco Use Disorder](#)