antibodies

Datasheet for ABIN462257 anti-Hexokinase 2 antibody (AA 74-123)





Overview

Quantity:	50 µg
Target:	Hexokinase 2 (HK2)
Binding Specificity:	AA 74-123
Reactivity:	Human, Mouse, Rat, Pig, Dog, Horse, Rabbit, Cow, Monkey, Guinea Pig, Zebrafish (Danio rerio), Hamster, Bat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Hexokinase 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa74-123 of human HK2 (P52789, NP_000180). Percent
	identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset,
	Mouse, Rat, Hamster, Elephant, Panda, Dog, Bovine, Bat, Rabbit, Horse, Pig, Guinea pig (100%),
	Sablefish, Stickleback (92%), Orangutan, Opossum, Turkey, Zebra finch, Chicken, Platypus,
	Xenopus, Zebrafish, Sea squirt (85%).
	Type of Immunogen: Synthetic peptide
lsotype:	lgG

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN462257 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Product Details	
Specificity:	Human HK2 / Hexokinase 2
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Rabbit, Pig (100%) Chicken, Zebrafish (85%).
Purification:	Immunoaffinity purified
Target Details	
Target:	Hexokinase 2 (HK2)
Alternative Name:	HK2 / Hexokinase 2 (HK2 Products)
Background:	Name/Gene ID: HK2 Subfamily: Hexokinase Family: Non-protein Kinase
	Synonyms: HK2, Hexokinase II, Hexokinase type II, Hexokinase-2, muscle, HK II, HXK2, Hexokinase-2, Muscle form hexokinase, Hexokinase 2, HKII, Hxk 2
Gene ID:	3099
NCBI Accession:	NP_000180
UniProt:	P52789
Pathways:	PI3K-Akt Signaling, Carbohydrate Homeostasis, Warburg Effect
Application Details	
Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL. ELISA titer using peptide based assay: 1:12500. Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50000 -100000 as second antibody.

Comment:

Target Species of Antibody: Human

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN462257 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Application Details

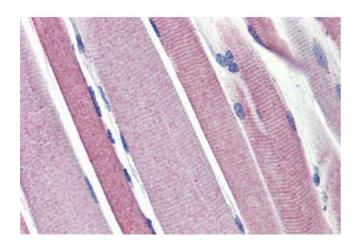
Restrictions:

For Research Use only

Handling

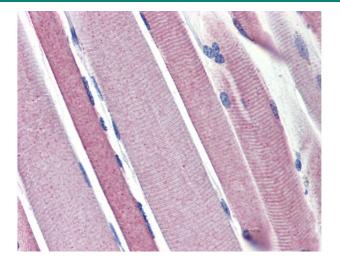
Format:	Lyophilized
Reconstitution:	Distilled Water.
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Skeletal Muscle (formalin-fixed, paraffinembedded) stained with HK2 antibody ABIN462257 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen. Images



Immunohistochemistry

Image 2. Anti-HK2 / Hexokinase 2 antibody IHC of human skeletal muscle. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of t ...

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN462257 | 09/12/2023 | Copyright antibodies-online. All rights reserved.