

# Product Datasheet

## Hexokinase 2 Antibody - BSA Free NBP2-16814

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 1

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**NBP2-16814**

Hexokinase 2 Antibody - BSA Free

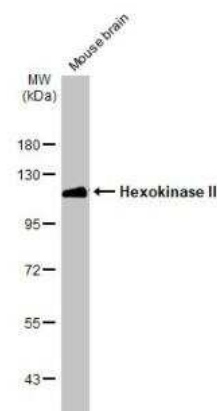
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	102 kDa

Product Description	
Host	Rabbit
Gene ID	3099
Gene Symbol	HK2
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Zebrafish (86%), Chicken (88%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Hexokinase 2. The exact sequence is proprietary.

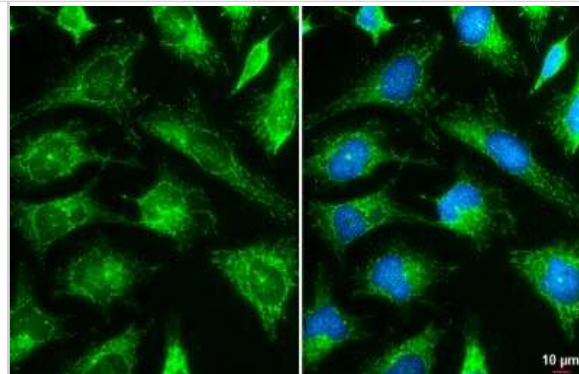
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

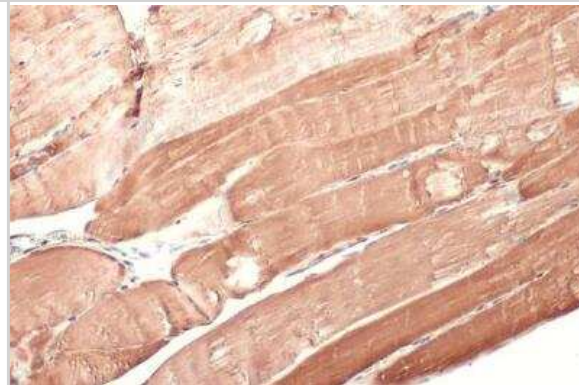
Western Blot: Hexokinase 2 Antibody [NBP2-16814] - Mouse tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Hk2 antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



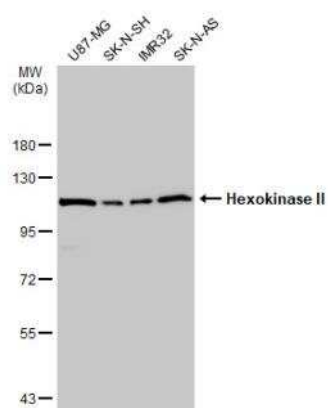
Immunocytochemistry/Immunofluorescence: Hexokinase 2 Antibody [NBP2-16814] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Blue: Fluoroshield with DAPI. Scale bar= 10  $\mu$ m.



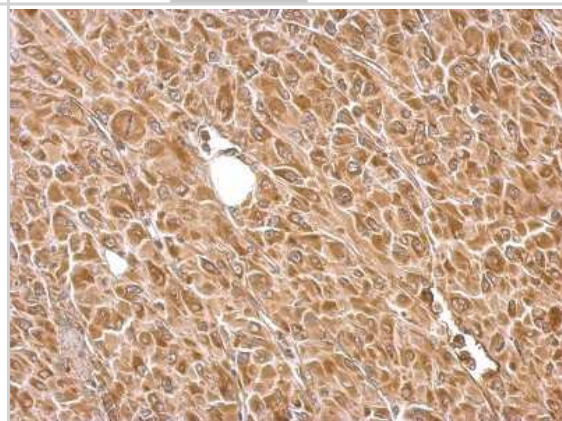
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Mouse muscle. Hexokinase II stained by Hexokinase II antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Western Blot: Hexokinase 2 Antibody [NBP2-16814] - Various whole cell extracts (30  $\mu$ g) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Hexokinase II antibody diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - U87 xenograft. Hexokinase II antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.

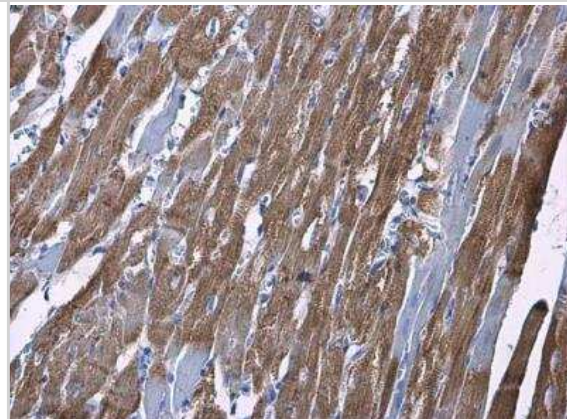




Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Mouse muscle. Hexokinase II antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



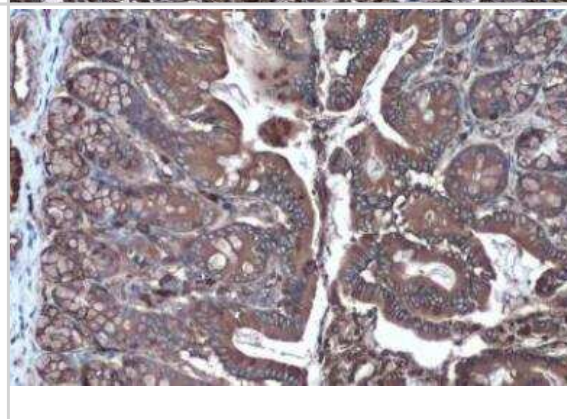
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat heart. Hexokinase II antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



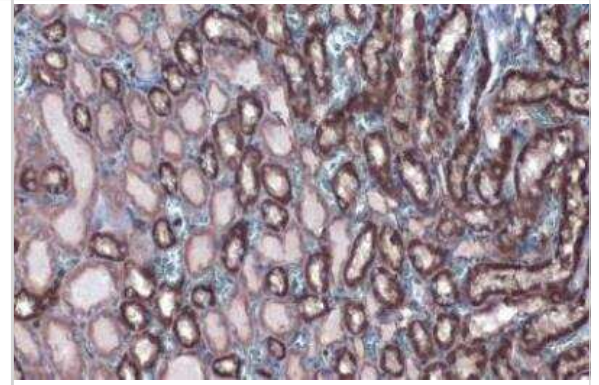
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat stomach. Hexokinase II antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



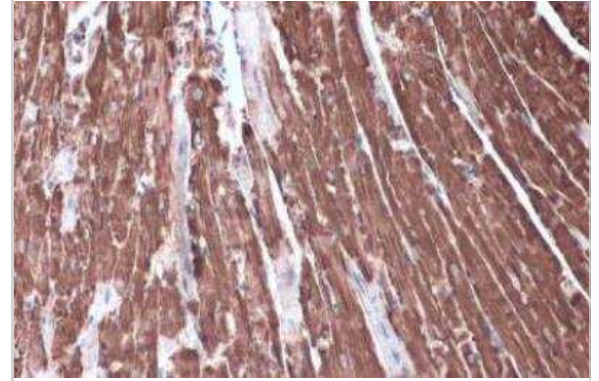
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat colon. Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



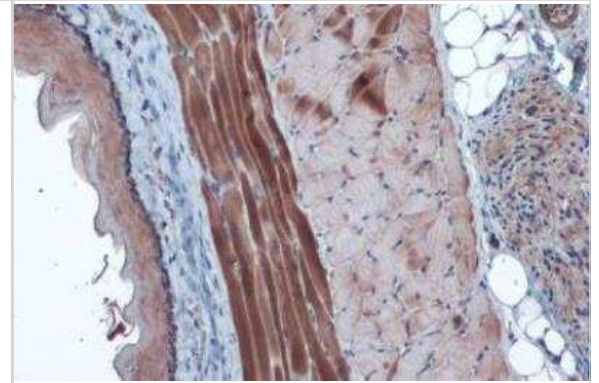
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat kidney. Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Mouse heart. Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat muscle. Hexokinase II stained by Hexokinase II antibody diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



## Publications

Torres A, Kang S, Mahony CB et al. Role of mitochondria-bound HK2 in rheumatoid arthritis fibroblast-like synoviocytes *Frontiers in Immunology* 2023-07-17 [PMID: 37529037]



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### **Products Related to NBP2-16814**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90922PEP	Hexokinase 2 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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