

# 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.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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**NBP2-16814**

Hexokinase 2 Antibody - BSA Free

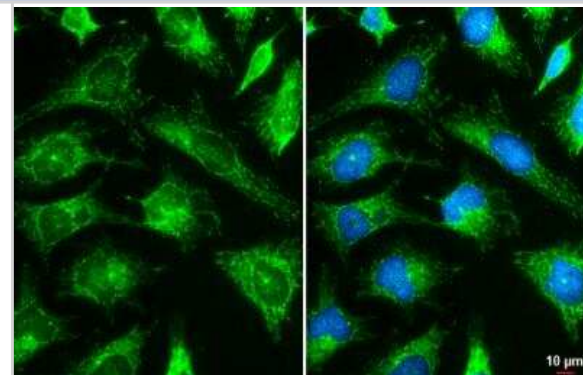
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>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

Product Description	
<b>Description</b>	Novus Biologicals Rabbit Hexokinase 2 Antibody - BSA Free (NBP2-16814) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Hexokinase 2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3099
<b>Gene Symbol</b>	HK2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Zebrafish (86%), Chicken (88%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Hexokinase 2. The exact sequence is proprietary.

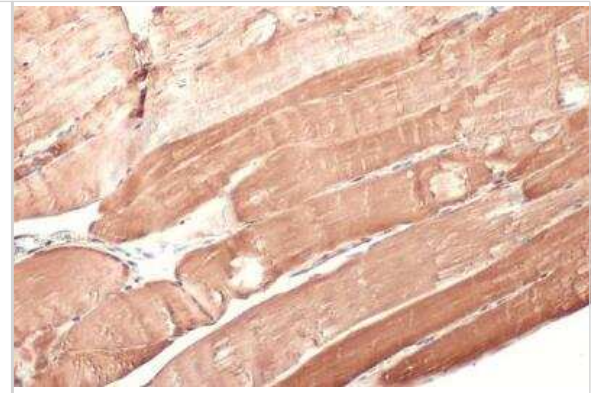
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000,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

**Images**

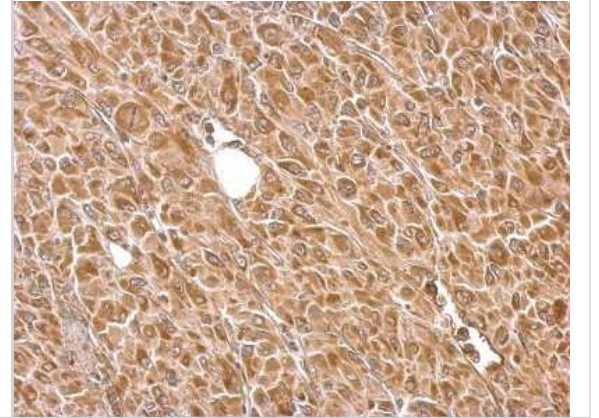
Immunocytochemistry/Immunofluorescence: Hexokinase 2 Antibody [NBP2-16814] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Blue: Fluoroshield with DAPI. Scale bar= 10  $\mu$ m.



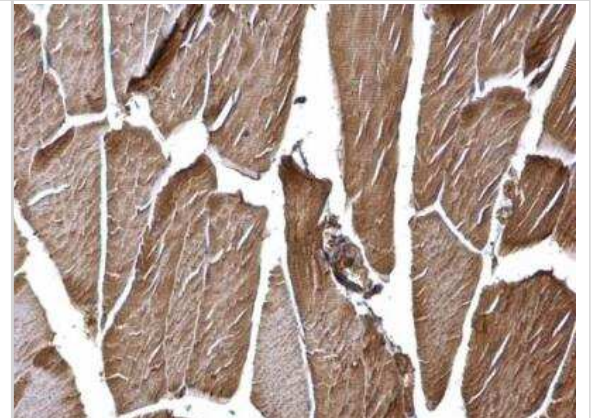
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Mouse muscle. Hexokinase II stained by Hexokinase II antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



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.



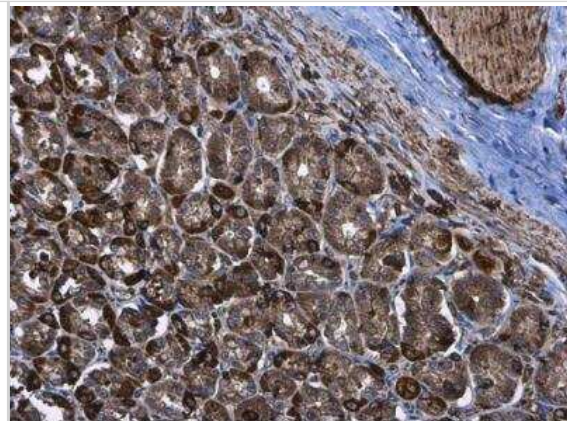
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Mouse muscle. Hexokinase II antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



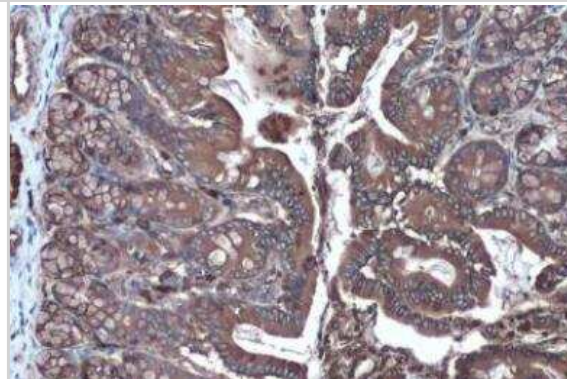
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat heart. Hexokinase II antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



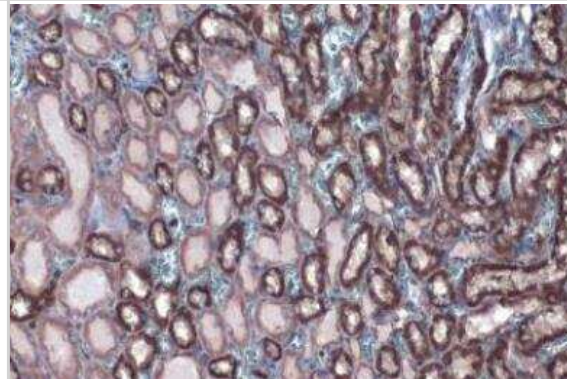
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat stomach. Hexokinase II antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



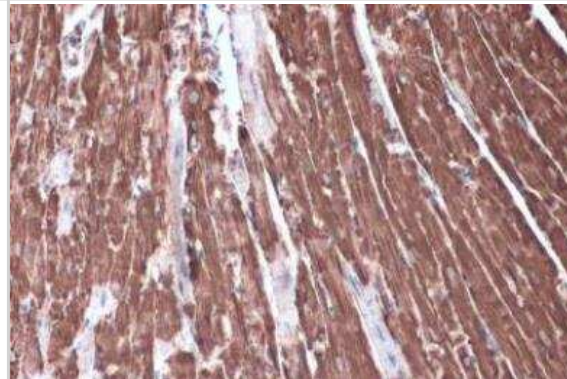
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat colon. Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



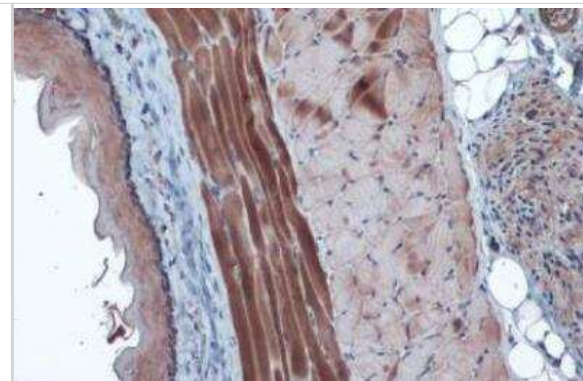
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat kidney. Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



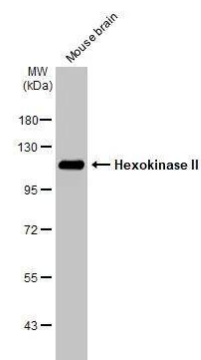
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Mouse heart. Hexokinase II stained by Hexokinase II antibody diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



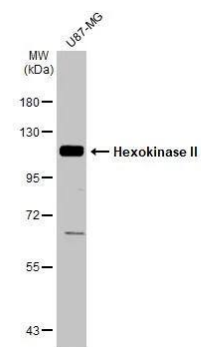
Immunohistochemistry-Paraffin: Hexokinase 2 Antibody [NBP2-16814] - Rat muscle. Hexokinase II stained by Hexokinase II antibody diluted at 1:1000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



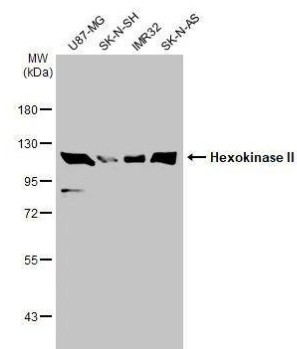
Mouse tissue extract (50 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Hexokinase II antibody (NBP2-16814) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Whole cell extract (30 ug) was separated by 7.5% SDS-PAGE, and the membrane was blotted with Hexokinase II antibody (NBP2-16814) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Hk2 antibody (NBP2-16814) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## 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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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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