

# Product Datasheet

## Hexokinase 1 Antibody - BSA Free NBP1-31600

Unit Size: 100 ul

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

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### Publications: 1

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Updated 2/21/2025 v.20.1

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**NBP1-31600**

Hexokinase 1 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<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>	0.01% Thimerosal
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	0.1M Tris-Glycine (pH7), 10% Glycerol
<b>Target Molecular Weight</b>	102 kDa

**Product Description**

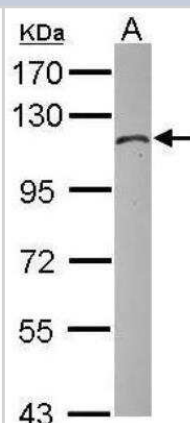
<b>Host</b>	Rabbit
<b>Gene ID</b>	3098
<b>Gene Symbol</b>	HK1
<b>Species</b>	Human, Zebrafish
<b>Reactivity Notes</b>	Bovine reactivity reported in scientific literature (PMID: 31261667). Immunogen displays the following percentage of sequence identity for non-tested species: Chicken (88%), Xenopus laevis (86%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human Hexokinase 1. The exact sequence is proprietary.

**Product Application Details**

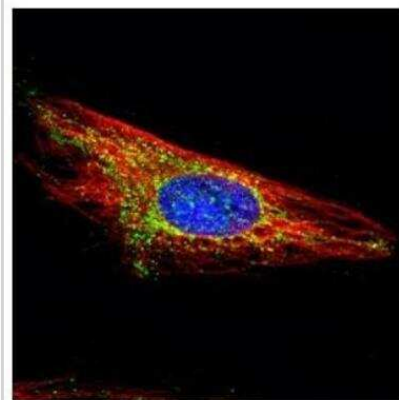
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry Whole-Mount
<b>Recommended Dilutions</b>	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry Whole-Mount
<b>Application Notes</b>	IHC-WM-Assay dependent

**Images**

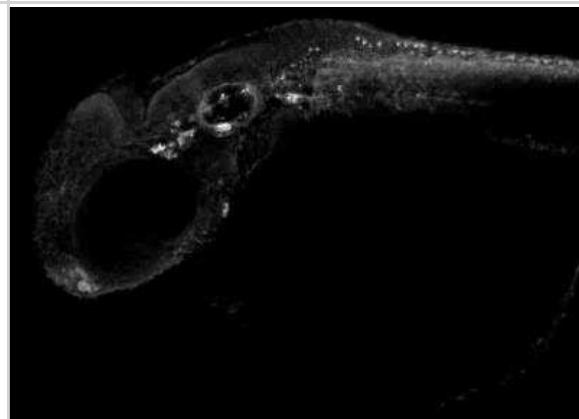
Western Blot: Hexokinase 1 Antibody [NBP1-31600] - Sample (30 ug of whole cell lysate) C: zebrafish muscle 7.5% SDS PAGE diluted at 1:1000



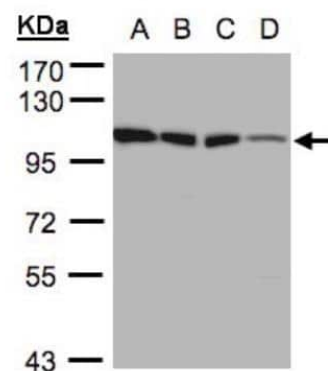
**Immunocytochemistry/Immunofluorescence:** Hexokinase 1 Antibody [NBP1-31600] - Analysis of methanol-fixed HeLa, using HXK I antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with an alpha Tubulin antibody (Red) at 1:2000.



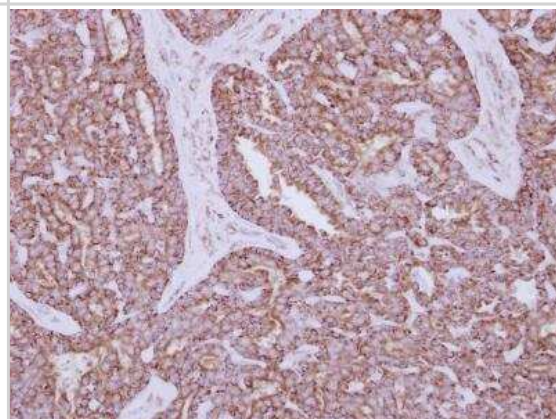
**Immunohistochemistry Whole-Mount:** Hexokinase 1 Antibody [NBP1-31600] - Hexokinase 1 antibody detects Hexokinase 1 protein on zebrafish by whole mount immunohistochemical analysis. Sample: 2 days-post-fertilization zebrafish embryo. Hexokinase 1 antibody dilution: 1:100.



**Western Blot:** Hexokinase 1 Antibody [NBP1-31600] - Sample(30 ug whole cell lysate)A:A431 B:H1299 C:HeLa S3 D:Hep G2 7.5% SDS PAGE, antibody diluted at 1:3000.



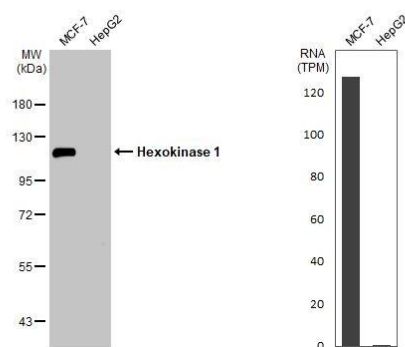
**Immunohistochemistry-Paraffin:** Hexokinase 1 Antibody [NBP1-31600] - Human breast cancer, using HXK I antibody at 1:250 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



**Immunohistochemistry-Paraffin: Hexokinase 1 Antibody [NBP1-31600]** - Analysis of paraffin-embedded zebrafish tissue, using Hexokinase 1 antibody at 1:300 dilution.



**Western Blot: Hexokinase 1 Antibody [NBP1-31600]** - Various whole cell extracts (30 ug) were separated by 7.5% SDS-PAGE, and the membrane was blotted with Hexokinase 1 antibody diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.



## Publications

Rajamanickam GD, Kastelic JP, Thundathil JC Testis-Specific Isoform of Na/K-ATPase (ATP1A4) Interactome in Raft and Non-Raft Membrane Fractions from Capacitated Bovine Sperm Int J Mol Sci 2019-06-28 [PMID: 31261667] (WB, Bovine)



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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
NBP1-85789PEP	Hexokinase 1 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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