

# Product Datasheet

## Glucokinase/GCK Antibody (OTI3E3) NBP1-47778

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP1-47778**

Glucokinase/GCK Antibody (OTI3E3)

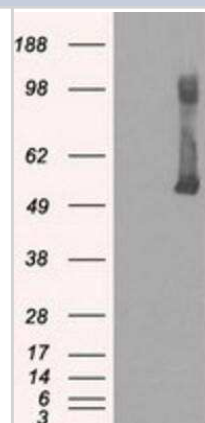
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI3E3
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	52 kDa

Product Description	
Host	Mouse
Gene ID	2645
Gene Symbol	GCK
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	This antibody is specific for Homo sapiens glucokinase (hexokinase 4) (GCK), transcript variant 1.
Immunogen	Full length human recombinant protein of human GCK (NP_000153) produced in HEK293T cell.

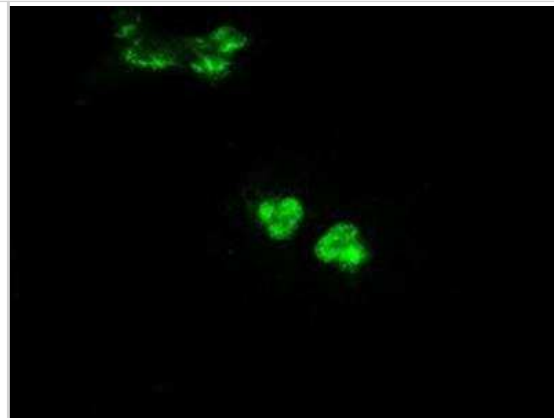
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:50

**Images**

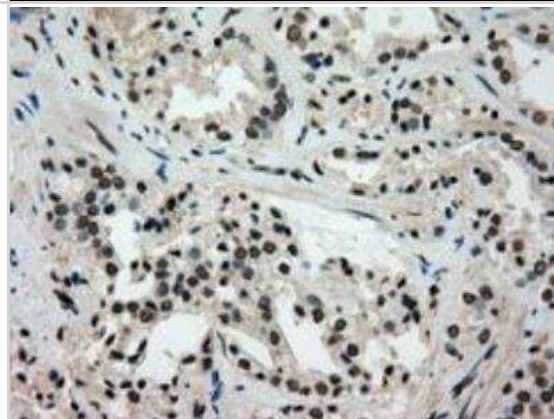
Western Blot: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GCK (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GCK.



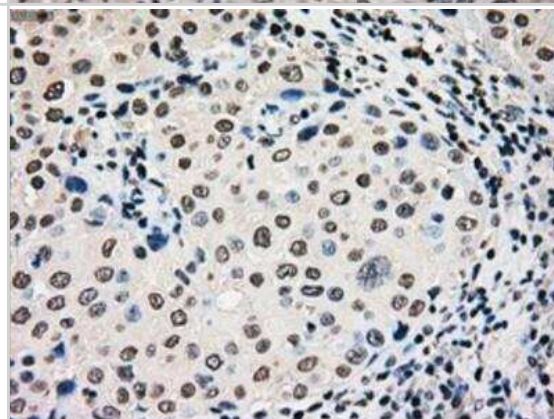
Immunocytochemistry/Immunofluorescence: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY GCK.



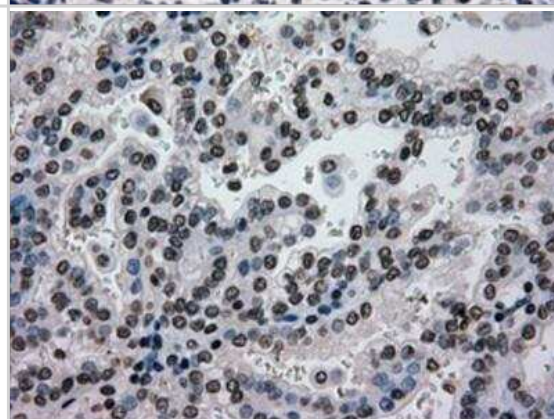
Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Human prostate tissue.



Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-GCK mouse monoclonal antibody.

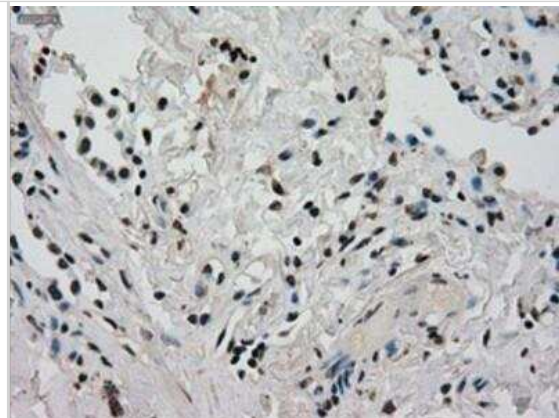


Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-GCK mouse monoclonal antibody.

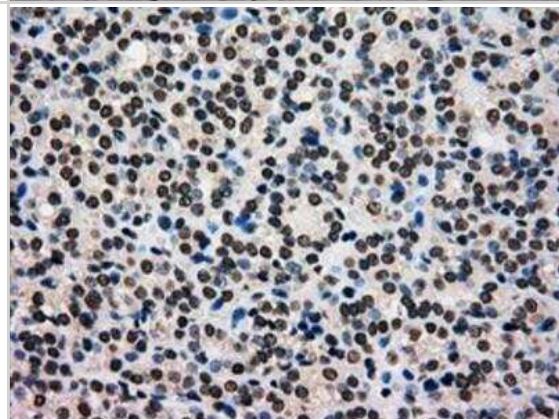




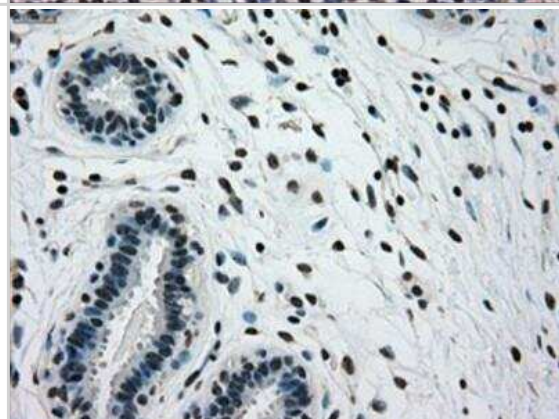
Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of paraffin-embedded Carcinoma of Human lung tissue using anti-GCK mouse monoclonal antibody.



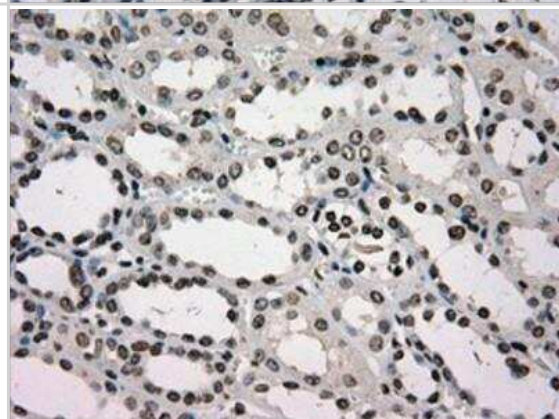
Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-GCK mouse monoclonal antibody.



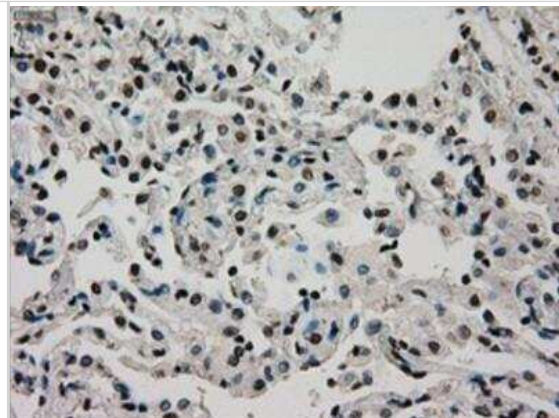
Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of paraffin-embedded Human breast tissue using anti-GCK mouse monoclonal antibody.



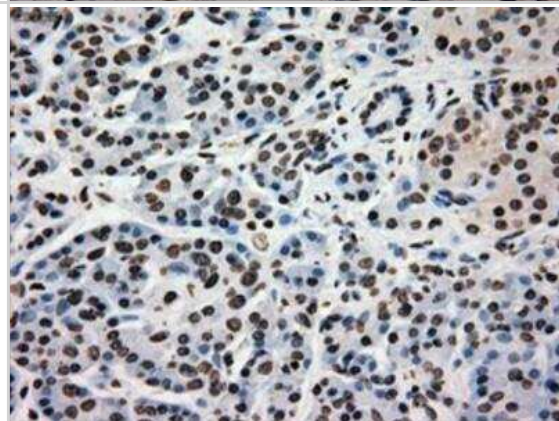
Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3) [NBP1-47778] - Staining of paraffin-embedded Human Kidney tissue using anti-GCK mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3)  
[NBP1-47778] - Staining of paraffin-embedded Human lung tissue using  
anti-GCK mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Glucokinase/GCK Antibody (3E3)  
[NBP1-47778] - Staining of paraffin-embedded Human pancreas tissue  
using anti-GCK mouse monoclonal antibody.





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### **Products Related to NBP1-47778**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-52233-0.02mg	Recombinant E. coli Glucokinase/GCK His Protein

### **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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