

# Product Datasheet

## SIK3 Antibody - BSA Free NBP2-47278

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-47278**

SIK3 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>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

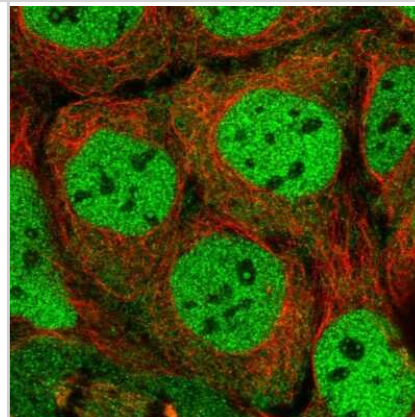
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	23387
<b>Gene Symbol</b>	SIK3
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Rat (80%). Use in Mouse reported in scientific literature (PMID:31350328).
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: QQEYQELFRHMNQGDAGSLAPSLGGQSMTERQALSQYNADSYHHHTSPQHL LQIRAQECVVSQASSPTPPHGYAHQPALMHSESMEEDCSCEGAKDGFQD

Product Application Details	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

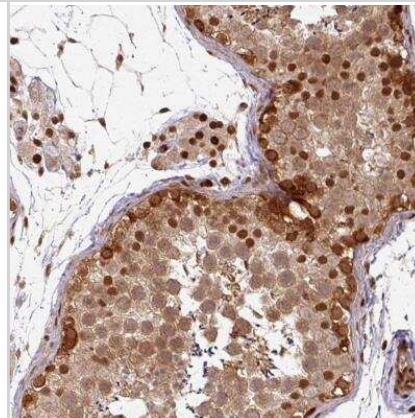


## Images

Immunocytochemistry/Immunofluorescence: SIK3 Antibody [NBP2-47278] - Staining of human cell line CACO-2 shows localization to nucleoplasm. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: SIK3 Antibody [NBP2-47278] - Staining of human testis shows strong nuclear and cytoplasmic positivity in cells in seminiferous ducts. Leydig cells exhibited strong nuclear staining.



## Publications

Benjamin D. Stein, John R. Ferrarone, Eric E. Gardner, Jae Won Chang, David Wu, Pablo E. Hollstein, Roger J. Liang, Min Yuan, Qiuying Chen, John S. Coukos, Miriam Sindelar, Bryan Ngo, Steven S. Gross, Reuben J. Shaw, Chen Zhang, John M. Asara, Raymond E. Moellering, Harold Varmus, Lewis C. Cantley LKB1-Dependent Regulation of TPI1 Creates a Divergent Metabolic Liability between Human and Mouse Lung Adenocarcinoma *Cancer Discovery* 2023-04-03 [PMID: 36715544]

Hollstein P E, Eichner L J et al. The AMPK-Related Kinases SIK1 and SIK3 Mediate Key Tumor-Suppressive Effects of LKB1 in NSCLC. *Cancer Discov* 2019-01-11 [PMID: 31350328] (WB, Mouse)



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### **Products Related to NBP2-47278**

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NBP2-47278PEP	SIK3 Recombinant Protein Antigen
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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