

# AB-NN325-1

## Sodium-Iodide Symporter Antibody

Pan-specific monoclonal antibody (14F) for monitoring the expression of human Sodium-Iodide Symporter



**KINEXUS**

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Sodium/iodide cotransporter (Sodium-Iodide Symporter)
<b>Alias:</b>	NIS, SLC5A5, solute carrier family 5, Na (+)I(-) cotransporter
<b>UniProt ID:</b>	Q92911 - Human
<b>Human Predicted Mass (KDa):</b>	68.666 (643 AA; Q92911-1)
<b>Observed SDS-PAGE Mass (KDa):</b>	97

### Immunogen

<b>Antibody Immunogen Source:</b>	Mannose binding protein hNIS fusion (AA468-643)
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	183 IgG1
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC
<b>Antibody Dilution Recommended:</b>	WB (1:1000); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Rat
<b>Antibody Positive Control:</b>	1 µg/ml of SMC-390 was sufficient for detection of hNIS in 20 µg of transfected COS-7 cell membrane lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~97 kDa protein, non-glycosylated version at 68 kDa protein. Other minor bands associated with hNIS at 160 kDa protein, and degradation products at ~30 kDa protein, and ~15 kDa protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

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