AB-NN325-2

Sodium-Iodide Symporter Antibody

Pan-specific monoclonal antibody (FP5) for monitoring the expression of human Sodium-Iodide Symporter

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Target Protein

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

Immunogen

Antibody Immunogen Source:	Mannose binding protein hNIS fusion (AA468-643)

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	184 IgG1Kappa
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	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

Product Use:	WB | IHC | ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human | Mouse | Rat
Antibody Positive Control:	1 µg/ml of SMC-391 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.
Target Detection Immunoblotting:	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.