

Mouse Sodium Iodide Symporter Monoclonal Antibody | anti-NIS antibody

Sodium Iodide Symporter Monoclonal Antibody

CATALOG # AAA47756	HOST Mouse	APPLICATIONS Immunoblot, Western Blot
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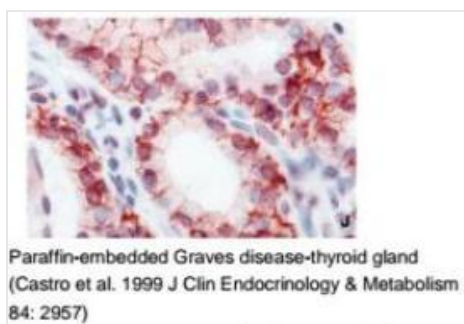
PRODUCT SYNONYMS

Sodium Iodide Symporter; Monoclonal Antibody; Sodium Iodide Symporter Monoclonal Antibody; Anti-Sodium Iodine Symporter; anti-NIS antibody

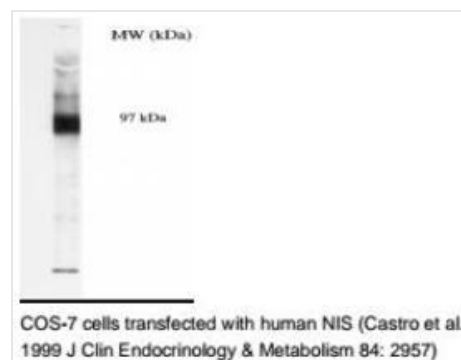
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody recognizes human, mouse and rat NIS.
Sequence Length	643
Applicable Applications for anti-NIS antibody	IB (Immunoblot)
Antigen	Synthetic peptide corresponding to aa625-643 (SWTPCVGHDGGRDQQETNL) at the C-terminus of the extramembranous domain of human NIS.
Dilution Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid multiple freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-NIS antibody	The sodium iodide symporter (NIS) is an ion pump that actively transports iodide across the basolateral membrane into thyroid epithelial cells. This is an important step in the process of iodide organification and the formation of triiodothyronine and thyroxine. The importance of NIS is related to its role in thyroid function, the pathogenesis of thyroid disease, and its expression (or lack of expression) in thyroid malignancies. It has also been suggested that NIS may represent an autoantigen in autoimmune disease of the thyroid.
Product Categories/Family for anti-NIS antibody	Ion Channel Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	1628579
NCBI GeneID	6528
Molecular Weight	68,666 Da
NCBI Official Full Name	sodium iodide symporter
NCBI Official Synonym Full Names	solute carrier family 5 member 5
NCBI Official Symbol	SLC5A5
NCBI Official Synonym Symbols	NIS; TDH1
NCBI Protein Information	sodium/iodide cotransporter
UniProt Protein Name	Sodium/iodide cotransporter
UniProt Gene Name	SLC5A5
UniProt Synonym Gene Names	NIS; Na(+)/I(-) cotransporter; Na(+)/I(-) symporter
UniProt Entry Name	SC5A5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sodium-iodide-symporter-antibody-immunoblot-elisa/47756>