

OriGene Technologies, Inc.

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Product datasheet for TA326382

Sodium Iodide Symporter (SLC5A5) Mouse Monoclonal Antibody [Clone ID: 14F]

Product data:

Product Type: Primary Antibodies

Clone Name: 14F Applications: WB

Recommend Dilution: WB: 1:1000

Reactivity: Human, Mouse, Rat

Host: Mouse Isotype: IgG1

Clonality: Monoclonal

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

Formulation: PBS pH7.4, 50% glycerol, 0.09% sodium azide

Concentration: 1 mg/ml

Purification: Protein G Purified

Gene Name: solute carrier family 5 member 5

Database Link: NP 000444 Entrez Gene 114479 MouseEntrez Gene 114613 RatEntrez Gene 6528 Human

Background: The sodium iodide symporter (NIS) is an ion pump that actively transports iodide across the

basolateral membrane into thyroid epithelial cells . This is important step in the process of

iodide organification and the formation of triiodothyronine and thyroxine.

Synonyms: NIS; TDH1

Note: Apparent mol. wt of 97kD, non-glycosylated version at 68kD. Other minor bands associated

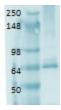
with hNIS at 160 kDa, and degradation products at ~30 kDa, and ~15kDa.

Protein Families: Druggable Genome, Transmembrane





Product images:



Western blot analysis of Sodium lodide Symporter, Clone 14F, tested on human thyroid lysate, using a 1:1000 dilution of the antibody