

NIS Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250552

Unit: 0.1 mg

Description:

The sodium-iodide symporter (NIS) is a key plasma membrane protein that mediates active iodine uptake in thyroid, lactating breast, and other tissues with an electrogenic stoichiometry of 2 Na⁺ per I⁻. In thyroid, NIS-mediated iodine uptake is the first step in the biosynthesis of iodine-containing thyroid hormones.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, P, R

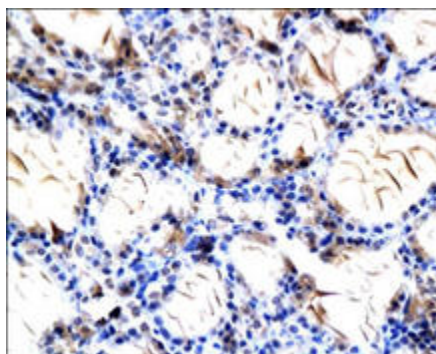
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol. 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and peptide affinity chromatography.

Alternate Names: Sodium iodide cotransporter; Na⁽⁺⁾/I⁽⁻⁾ cotransporter; Sodium-iodide symporter; Solute carrier family 5 member 5; SLC5A5; NIS

Accession No.: Q92911

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NIS.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



NIS staining in rat thyroid. Formalin-fixed paraffin-embedded rat thyroid is stained with NIS Antibody (Cat. No. 250552) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

Product Citations: [1] Tran L et al. 2013. Exp Biol Med (Maywood). 238(6):623-630. PMID# 23918874. [2] Basalaeva, NL et al. 2013. Biological Trace Element Research. 154(2):244-254. PMID# 23771684.

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