

Product datasheet for **TA321132**

Sodium Iodide Symporter (SLC5A5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human colon and ovarian cancer tissue IHC: 15-50 Positive control: Human esophagus cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to a region derived from 1-14 amino acids of Human solute carrier family 5 (sodium iodide symporter), member 5
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69 kDa
Gene Name:	solute carrier family 5 member 5
Database Link:	NP_000444 Entrez Gene 6528 Human Q92911



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Background:

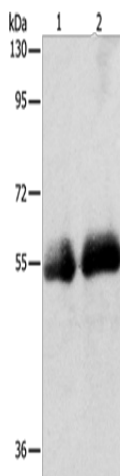
This gene encodes a member of the sodium glucose cotransporter family. The encoded protein is responsible for the uptake of iodine in tissues such as the thyroid and lactating breast tissue. The iodine taken up by the thyroid is incorporated into the metabolic regulators triiodothyronine (T3) and tetraiodothyronine (T4). Mutations in this gene are associated with thyroid dyshormonogenesis 1.

Synonyms:

NIS; TDH1

Protein Families:

Druggable Genome, Transmembrane

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 μ g

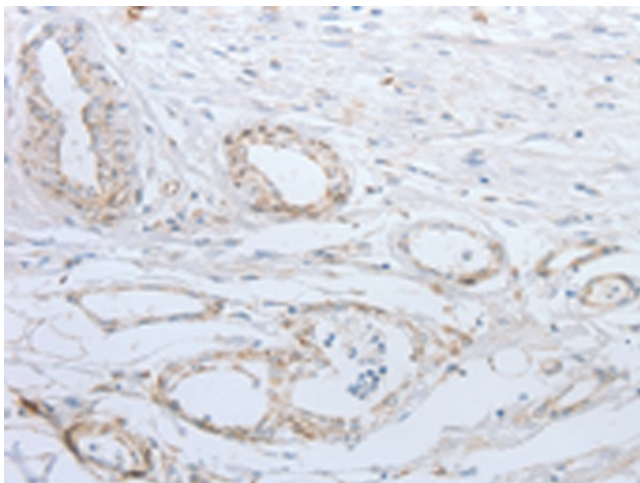
Lane 1-2: Human colon tissue

Human ovarian cancer tissue

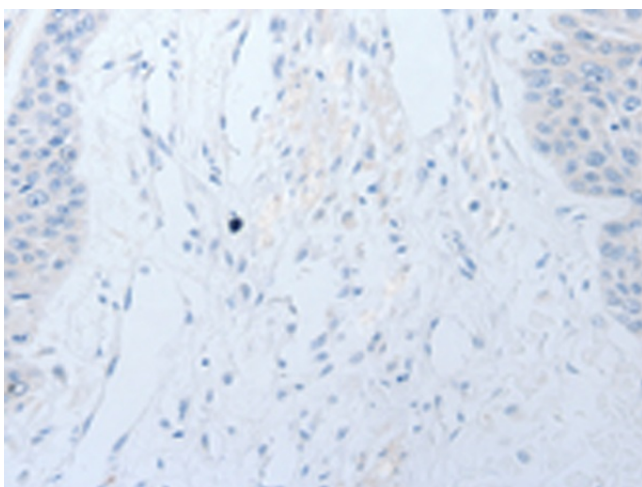
Primary antibody: TA321132 (SLC5A5 Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 2 seconds



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA321132 (SLC5A5 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA321132 (SLC5A5 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)