SLC5A5 Antibody

Catalog No: #37187

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Description

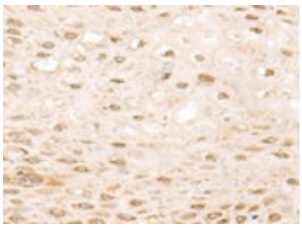
Product Name	SLC5A5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total SLC5A5 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human Solute carrier family 5 (sodium iodide symporter), member 5
Target Name	SLC5A5
Other Names	NIS; TDH1
Accession No.	Swiss-Prot#: Q92911NCBI Gene ID: 6528Gene Accssion: NP_000444
Uniprot	Q92911
GeneID	6528;
SDS-PAGE MW	69kd
Concentration	1.3 mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

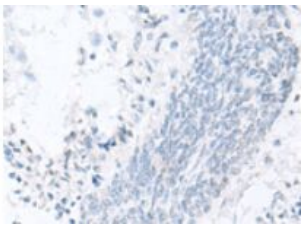
Application Details

Western blotting: 1:500-1:2000

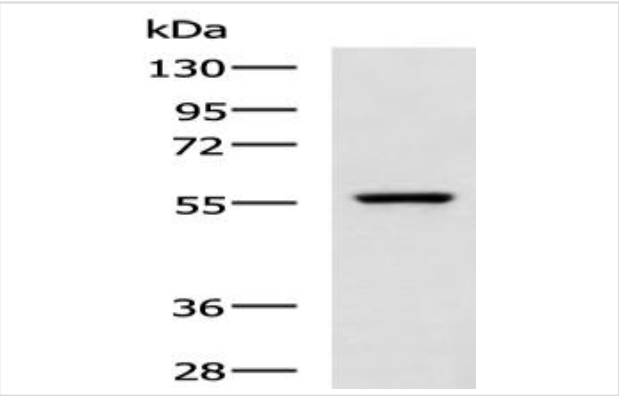
Immunohistochemistry: 1:40-1:200

Images

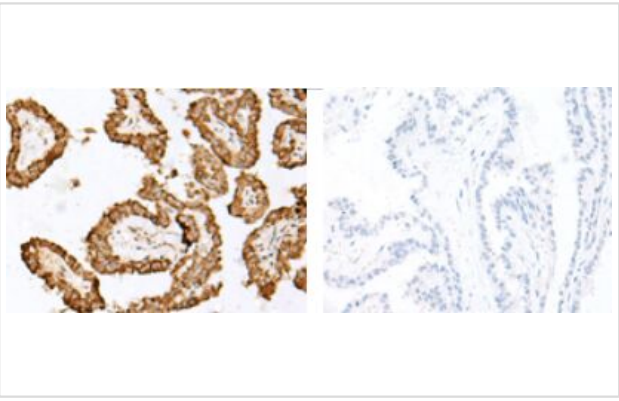




The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using SLC5A5 Antibody at dilution 1/45, on the right is treated with synthetic peptide. (Original magnification: Γ 200)



Gel: 8%SDS-PAGE
Lysate: 40 ΞOg
Lane: LOVO cell lysate
Primary antibody: SLC5A5 Antibody at dilution 1/400
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 5 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using SLC5A5 Antibody at dilution 1/45, on the right is treated with synthetic peptide. (Original magnification: Γ 200)

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.

Note: This product is for in vitro research use only