

Product datasheet

anti-Na⁺/I⁻ Symporter (rat) rabbit polyclonal

Short overview

Cat. No.	16093
Quantity	50 µl (lyoph.)

Product description

Host	Rabbit
Antibody Type	Polyclonal
Immunogen	Synthetic peptide from rat NIS
Formulation	Lyophilized; reconstitute in 100 µl dist. water
UniprotID	Q92911 (Human), A0A287AIH3 (Pig), Q63008 (Rat)
Synonym	Sodium/iodide cotransporter, Na(+)/I(-) cotransporter, Sodium-iodide symporter, Na(+)/I(-) symporter, Solute carrier family 5 member 5, SLC5A5, NIS
Conjugate	Unconjugated
Purification	Undiluted antiserum
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC
Reactivity	Human, Pig, Rat

Applications

Immunocytochemistry (ICC)	1:1,200-1:2,000
Immunohistochemistry (IHC) - frozen	1:1,200-1:2,000

Background

Located in the cell membrane of thyroid cells, NIS can allow sodium and iodine flow across the membrane. The antiserum is raised against the C-terminus of rat NIS. Suitable for studying the sensitivity of thyroid tumors to iodine treatment. Absorption with 50-100 µg immunogen per ml diluted antiserum abolishes staining.

Positive control: frozen sections of rat thyroid.

Product images



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