bs-22233R **[Primary Antibody]**

NIS Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: NIS

Immunogen: KLH conjugated synthetic peptide derived from mouse NIS: 580-643/643. < Cytoplasmic >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: catalyzes Na+/I- symporter activity plays a role in iodide transport and thyroid hormone generation.
Human Sodium Iodide Symporter (hNIS) is responsible for iodide concentrating ability within thyroid follicular cells. It is a membrane bound glycoprotein with 13 membrane spanning domains and 14 extramembranous domains. It may represent an autoantigen in thyroid.

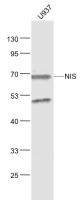
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 68 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: U937(Human) Cell Lysate at 30 ug
Primary: Anti- NIS (bs-22233R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD
Observed band size: 68 kD

SELECTED CITATIONS

- **[IF=3]** Ruggeri Rosaria M.. et al. Polychlorinated Biphenyls (PCBS)-induced oxidative stress and inflammation in human thyrocytes: involvement of AhR and NRF-2/HO-1 pathway. ENDOCRINE. 2024 Aug;:1-10 WB ;Human. 39174753