

SLC5A5 Monoclonal Antibody (FP5A)

Product Details

Size	500 µL
Species Reactivity	Human
Published Species	Rat, Pig, Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	FP5A
Conjugate	Unconjugated
Immunogen	A synthetic peptide corresponding to aa625-643 of hNIS protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	15mM sodium azide
Storage conditions	4° C
RRID	AB_10977040

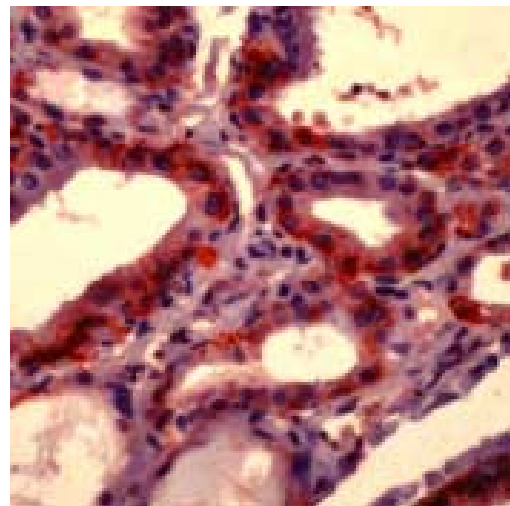
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	9 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:400-1:800	1 Publication
Immunocytochemistry (ICC/IF)	-	8 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

MA5-12308 targets Sodium Iodide Symporter in IHC (P) and WB applications and shows reactivity with Human samples.

The MA5-12308 immunogen is a synthetic peptide corresponding to aa625-643 of hNIS protein.

Product Images For SLC5A5 Monoclonal Antibody (FP5A)



SLC5A5 Antibody (MA5-12308) in IHC (P)
Formalin-fixed, paraffin-embedded human thyroid gland stained with Sodium Iodide Symporter antibody using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of follicular epithelium.

[View more figures on thermofisher.com](https://thermofisher.com)

Western Blot (9)

Cell death discovery

Pyruvate carboxylase promotes malignant transformation of papillary thyroid carcinoma and reduces iodine uptake.

"Published figure using SLC5A5 monoclonal antibody (Product # MA5-12308) in Immunocytochemistry"

Authors: Liu Y,Liu C,Pan Y,Zhou J,Ju H,Zhang Y

Year
2022

Environmental toxicology

Regulation of the Tpo, Tg, Duox2, Pds, and Mct8 genes involved in the synthesis of thyroid hormones after subchronic exposure to sodium nitrate in female Wistar rats.

"MA5-12308 was used in Western Blotting to explore the effect of subchronic exposure to sodium nitrate at varying concentrations on Tpo, Tg, Duox2, Pds and Mct8 genes regulating the thyroid hormone profile. Hematological and histochemical changes within thyroid and liver were also investigated."

Authors: Ríos-Sánchez E,González-Zamora A,Gonsebatt Bonaparte ME,Meza Mata E,González-Delgado MF,Zámago Amaro A,Pérez-Morales R

Year
2021

Species
Rat

[View more WB references on thermofisher.com](#)

Immunohistochemistry (4)

Molecular therapy oncology

FOXA1 Regulation Turns Benzamide HDACi Treatment Effect-Specific in BC, Promoting NIS Gene-Mediated Targeted Radioiodine Therapy.

"Published figure using SLC5A5 monoclonal antibody (Product # MA5-12308) in Western Blot"

Authors: Rathod M,Kelkar M,Valvi S,Salve G,De A

Year
2020

The Journal of clinical endocrinology and metabolism

Methodology, Criteria, and Characterization of Patient-Matched Thyroid Cell Lines and Patient-Derived Tumor Xenografts.

"Published figure using SLC5A5 monoclonal antibody (Product # MA5-12308) in Immunofluorescence"

Authors: Marlow LA,Rohl SD,Miller JL,Knauf JA,Fagin JA,Ryder M,Milosevic D,Netzel BC,Grebe SK,Reddi HV, Smallridge RC,Copland JA

Year
2018

Species
Human

Dilution
1:100

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (1)

ICC/IF (8)

Misc (1)

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