

# SLC5A5 monoclonal antibody, clone FP5 (HRP)

Catalog # MAB11507      Size 100 ug

## Applications

### Application Data with Unconjugated Antibody

Western Blot (Tissue lysate)

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Western blot analysis of human retina lysate with SLC5A5 monoclonal antibody, clone FP5 (MAB11494) at 1:1000 dilution.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against recombinant of SLC5A5.
<b>Immunogen</b>	Recombinant mannose fusion protien corresponding to amino acids 468-643 of human SLC5A5.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	Mapped to amino acids 625-643 of hNIS. Apparent mol. wt of 97 kD, non-glycosylated version at 68 kD. Other minor bands associated with hNIS at 160 kDa, and degradation products at ~30 kDa, and ~15kDa.
<b>Form</b>	Liquid
<b>Conjugation</b>	HRP
<b>Purification</b>	Protein G purification
<b>Isotype</b>	IgG1, kappa
<b>Recommend Usage</b>	Immunofluorescence Immunohistochemistry Western blot (1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.4 (50% glycerol)
Storage Instruction	Store at 4°C. Aliquot to avoid repeated freezing and thawing.
Note	Application Data with Unconjugated Antibody Western Blot (Tissue lysate) Western blot analysis of human retina lysate with SLC5A5 monoclonal antibody, clone FP5 (MAB11494) at 1:1000 dilution.

## Applications

- Western Blot
- Immunohistochemistry
- Immunofluorescence

## Gene Info — SLC5A5

Entrez GeneID	<a href="#">6528</a>
Protein Accession#	<a href="#">Q92911</a>
Gene Name	SLC5A5
Gene Alias	NIS
Gene Description	solute carrier family 5 (sodium iodide symporter), member 5
Omim ID	<a href="#">274400</a> <a href="#">601843</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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 dysmorphogenesis 1
Other Designations	sodium-iodide symporter