SLC5A5 monoclonal antibody, clone FP5 (ATTO 390)

Catalog # MAB11495 Size 100 ug

Applications

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.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant of SLC5A5.
Immunogen	Recombinant mannose fusion protien corresponding to amino acids 468-643 of human SLC5A5.
Host	Mouse
Reactivity	Human, Mouse, Rat
Specificity	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.
Form	Liquid
Conjugation	ATTO 390
Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	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 (MAB11 494) at 1:1000 dilution.

Applications

- Western Blot
- Immunohistochemistry
- Immunofluorescence

Gene Info — SLC5A5

Entrez GeneID	6528
Protein Accession#	Q92911
Gene Name	SLC5A5
Gene Alias	NIS
Gene Description	solute carrier family 5 (sodium iodide symporter), member 5
Omim ID	274400 601843
Gene Ontology	Hyperlink
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) a nd tetraiodothyronine (T4). Mutations in this gene are associated with thyroid dyshormonogenesis 1
Other Designations	sodium-iodide symporter