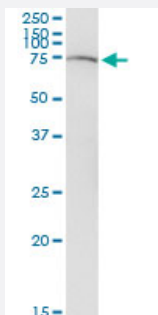


SLC22A12 monoclonal antibody (M02), clone 2B5

Catalog # H00116085-M02

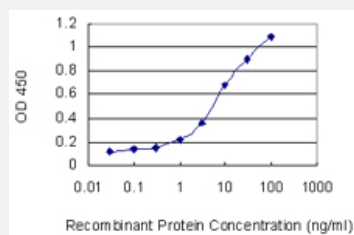
Size 100 ug

Applications



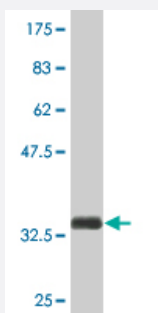
Western Blot (Tissue lysate)

SLC22A12 monoclonal antibody (M02), clone 2B5. Western Blot analysis of SLC22A12 expression in human stomach.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC22A12 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.33 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant SLC22A12.

Immunogen	SLC22A12 (NP_653186.2, 281 a.a. ~ 349 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ESARWLLTTGRLDWGLQELWRVAAINGKGAVQDTLTPEVLLSAMREELSMGQPPASLGTLLRMPGLRFR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (74); Rat (74)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.33 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

SLC22A12 monoclonal antibody (M02), clone 2B5. Western Blot analysis of SLC22A12 expression in human stomach.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SLC22A12 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SLC22A12

Entrez GeneID [116085](#)

GeneBank Accession#	NM_144585
Protein Accession#	NP_653186.2
Gene Name	SLC22A12
Gene Alias	OAT4L, RST, URAT1
Gene Description	solute carrier family 22 (organic anion/urate transporter), member 12
Omim ID	220150 607096
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a urate transporter and urate-anion exchanger which regulate s the level of urate in the blood. This protein is an integral membrane protein primarily found in kidney. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000042665 organic anion transporter 4-like solute carrier family 22 (organic anion/cation transporter), member 12 solute carrier family 22 member 12 urate anion exchanger 1 urate transporter 1

Publication Reference

- [Taurine Inhibited Uric Acid Uptake in HK-2 Renal Tubular Epithelial Cells.](#)

Feng Y, Lin S, Zhao X, Yang Q, Wu G, Lv Q, Yang J, Hu J.

Advances in Experimental Medicine and Biology 2019 Aug; 1155:147.

Application: WB-Ce, Human, HK-2 cells

- [The polymorphism rs35767 at IGF1 locus is associated with serum urate levels.](#)

Mannino GC, Fuoco A, Marini MA, Spiga R, Di Fatta C, Mancuso E, Perticone F, Andreozzi F, Sesti G.

Scientific Reports 2018 Aug; 8(1):12255.

Application: WB-Ce, Human, HEK293 cells

- [OIT3 deficiency impairs uric acid reabsorption in renal tubule.](#)

Yan B, Zhang ZZ, Huang LY, Shen HL, Han ZG.

FEBS Letters 2012 Mar; 586(6):760.

Application: WB-Ti, Mouse, Kidney

- [Sucrose induces fatty liver and pancreatic inflammation in male breeder rats independent of excess energy intake.](#)

Roncal-Jimenez CA, Lanaspá MA, Rivard CJ, Nakagawa T, Sanchez-Lozada LG, Jalal D, Andres-Hernando A, Tanabe K, Madero M, Li N, Cicerchi C, McFann K, Sautin YY, Johnson RJ.

Metabolism 2011 Apr; 60:1259.

Application: IF, WB-Ti, Rat, Pancreatic islets, Blood vessels

Disease

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Gout](#)
- [Hemochromatosis](#)
- [Hyperuricemia](#)
- [Iron Overload](#)
- [Kidney Diseases](#)