

SLC47A2 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16126**Specification**

SLC47A2 Antibody (C-Terminus) - Product Information

Application	IHC, WB
Primary Accession	Q86VL8
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	65kDa KDa

SLC47A2 Antibody (C-Terminus) - Additional Information**Gene ID** 146802**Other Names**

Multidrug and toxin extrusion protein 2, MATE-2, hMATE-2, Kidney-specific H(+)/organic cation antiporter, Solute carrier family 47 member 2, SLC47A2, MATE2

Target/Specificity

Human SLC47A2. This antibody is expected to recognize both reported isoforms (NP_690872.2; NP_001093116.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

SLC47A2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC47A2 Antibody (C-Terminus) - Protein Information**Name** SLC47A2 ([HGNC:26439](#))**Synonyms** MATE2**Function**

Multidrug efflux pump that functions as a H(+)/organic cation antiporter. Mediates the efflux of cationic compounds, such as the model cations, tetraethylammonium (TEA) and 1-methyl-4-phenylpyridinium (MPP+), the platinum-based drug oxaliplatin or weak bases that are positively charged at physiological pH, cimetidine, the platinum-based drugs cisplatin and oxaliplatin or the antidiabetic drug metformin. Mediates the efflux of endogenous compounds such as, creatinine, thiamine and estrone-3-sulfate. Plays a physiological role in the excretion of drugs, toxins and endogenous metabolites through the kidney.

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=Detected in the renal urinary tubules.

Tissue Location

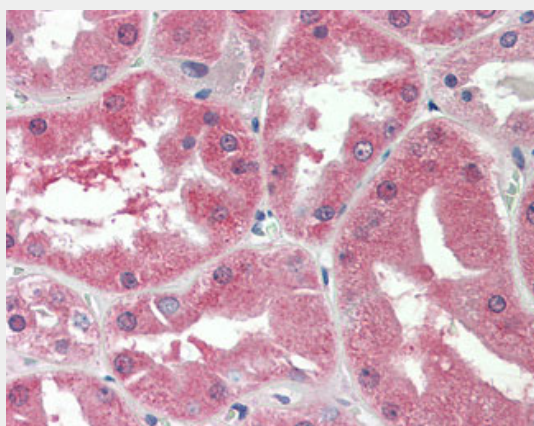
[Isoform 1]: High expression in kidney. Very small expression in adrenal gland and lung. [Isoform 6]: Ubiquitously expressed in all tissues examined except the kidney.

SLC47A2 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC47A2 Antibody (C-Terminus) - Images



Human, Kidney: Formalin-Fixed Paraffin-Embedded (FFPE)



SLC47A2 antibody (0.3 ug/ml) staining of Human Testis lysate (35 ug protein in RIPA buffer).

SLC47A2 Antibody (C-Terminus) - Background

Solute transporter for tetraethylammonium (TEA), 1- methyl-4-phenylpyridinium (MPP), cimetidine,

N-methylnicotinamide, metformin, creatinine, guanidine, procainamide, topotecan, estrone sulfate, acyclovir, and ganciclovir. Responsible for the secretion of cationic drugs across the brush border membranes.

SLC47A2 Antibody (C-Terminus) - References

Masuda S.,et al.J. Am. Soc. Nephrol. 17:2127-2135(2006).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Bechtel S.,et al.BMC Genomics 8:399-399(2007).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Omote H.,et al.Trends Pharmacol. Sci. 27:587-593(2006).