

SLC47A2 Antibody (internal region, near C-Term)

Peptide-affinity purified goat antibody Catalog # AF3446a

Specification

SLC47A2 Antibody (internal region, near C-Term) - Product Information

Application WB, E
Primary Accession O86VL8

Other Accession <u>NP_690872.2</u>, <u>NP_001093116.1</u>, <u>146802</u>

Reactivity
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
0.5 mg/ml

Isotype IgG Calculated MW 65085

SLC47A2 Antibody (internal region, near C-Term) - 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

Dilution

WB~~1:1000 E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SLC47A2 Antibody (internal region, near C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC47A2 Antibody (internal region, near C-Term) - 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

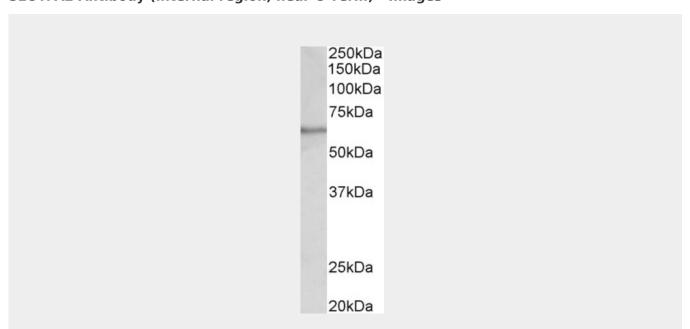
[Isoform 1]: High expression in kidney. Very small expression in adrenal gland and lung. [Isoform 6]: Ubiquitously expressed in all tissues examined except the kidney.

SLC47A2 Antibody (internal region, near C-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

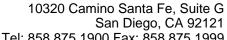
SLC47A2 Antibody (internal region, near C-Term) - Images



AF3446a (0.1 μ g/ml) staining of Human Testis lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

SLC47A2 Antibody (internal region, near C-Term) - Background

This antibody is expected to recognize both reported isoforms (NP 690872.2; NP 001093116.1).





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SLC47A2 Antibody (internal region, near C-Term) - References

Functional characteristics of two human MATE transporters: kinetics of cimetidine transport and profiles of inhibition by various compounds. Ohta KY, Inoue K, Yasujima T, Ishimaru M, Yuasa H, Journal of pharmacy & pharmaceutical sciences : a publication of the Canadian Society for Pharmaceutical Sciences, Société canadienne des sciences pharmaceutiques 2009 12 (3): 388-96. PMID: 20067714