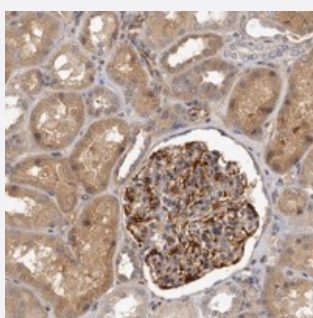


SLC22A1 polyclonal antibody

Catalog # PAB22359 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with SLC22A1 polyclonal antibody (Cat # PAB22359) shows moderate cytoplasmic positivity in cells in tubules and strong positivity in glomeruli.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant SLC22A1.
Immunogen	Recombinant protein corresponding to amino acids of human SLC22A1.
Sequence	PRWLLSQKRNTEAIKIMDHIAQKNGKLPPADLKMLSLEEDVTEKLSPSFADLFRTPLRLRKRTFIL
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human kidney with SLC22A1 polyclonal antibody (Cat # PAB22359) shows moderate cytoplasmic positivity in cells in tubules and strong positivity in glomeruli.

Gene Info — SLC22A1

Entrez GeneID [6580](#)

Protein Accession# [O15245](#)

Gene Name SLC22A1

Gene Alias HOCT1, OCT1, oct1_cds

Gene Description solute carrier family 22 (organic cation transporter), member 1

Omim ID [602607](#)

Gene Ontology [Hyperlink](#)

Gene Summary Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein. Two transcript variants encoding two different isoforms have been found for this gene, but only the longer variant encodes a functional transporter. [provided by RefSeq]

Other Designations OTTHUMP00000017537|organic cation transporter 1|solute carrier family 22 member 1

Disease

- [Breast cancer](#)
- [Cholestasis](#)
- [Diabetes Mellitus](#)

- [Diabetic Nephropathies](#)
- [Drug Toxicity](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Neovascularization](#)
- [Tobacco Use Disorder](#)