

**UROC1 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11147C****Specification**

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**UROC1 Antibody (Center) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">Q96N76</a>
Other Accession	<a href="#">NP_653240.1</a> , <a href="#">NP_001159446.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	74831
Antigen Region	402-430

**UROC1 Antibody (Center) - Additional Information****Gene ID** 131669**Other Names**

Urocanate hydratase, Urocanase, Imidazolonepropionate hydrolase, UROC1

**Target/Specificity**

This UROC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 402-430 amino acids from the Central region of human UROC1.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

UROC1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

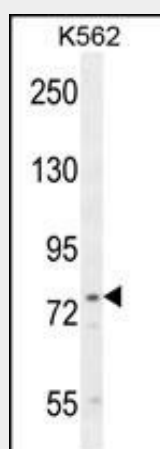
**UROC1 Antibody (Center) - Protein Information****Name** UROC1

## UROC1 Antibody (Center) - Protocols

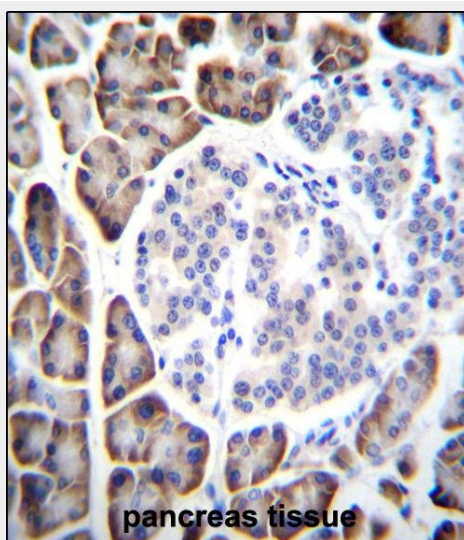
Provided below are standard protocols that you may find useful for product applications.

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

## UROC1 Antibody (Center) - Images



UROC1 Antibody (Center) (Cat. #AP11147c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the UROC1 antibody detected the UROC1 protein (arrow).



UROC1 Antibody (Center) (Cat. #AP11147c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of UROC1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

## UROC1 Antibody (Center) - Background

This gene encodes an enzyme involved in histidine catabolism, metabolizing urocanic acid to formiminoglutamic acid. The gene product is known to protect the skin from ultra violet rays and is contained in human sweat. Deficiency of this gene product in the liver is an apparent cause of mental retardation. Multiple transcript variants encoding different isoforms have been found for this gene.

#### **UROC1 Antibody (Center) - References**

Espinos, C., et al. J. Med. Genet. 46(6):407-411(2009)  
Yamada, S., et al. Oncogene 23(35):5901-5911(2004)  
Retey, J. Arch. Biochem. Biophys. 314(1):1-16(1994)  
Kalafatic, Z., et al. Metab. Clin. Exp. 29(11):1013-1019(1980)