

## **UROC1** Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP11147C

## **Specification**

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

Application WB, IHC-P,E Primary Accession Q96N76

Other Accession NP 653240.1, NP 001159446.1

Reactivity
Host
Clonality
Polyclonal
Isotype
Calculated MW
74831
Aptimor Parion
Reactivity
Rabbit
Rabbit IgG
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

E~~Use at an assay dependent concentration.

#### **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

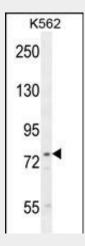


# **UROC1 Antibody (Center) - Protocols**

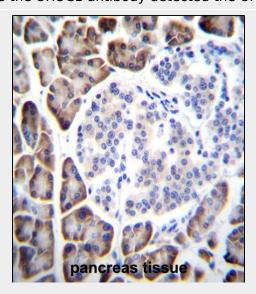
Provided below are standard protocols that you may find useful for product applications.

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