

For Research Use Only

# XDH Polyclonal antibody, PBS Only

Catalog Number: 55156-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

55156-1-PBS

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000379

**GeneID (NCBI):**

7498

**UNIPROT ID:**

P47989

**Full Name:**

xanthine dehydrogenase

**Calculated MW:**

146 kDa

**Observed MW:**

147-150 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

XDH, also named as XDHA, XO and XD, belongs to the xanthine dehydrogenase family. It catalyzes the last two steps of purine catabolism in man, formation of the end product uric acid from hypoxanthine and xanthine. The mammalian enzyme is synthesized as a dehydrogenase (XDH), which uses NAD as the electron acceptor, but it can be converted into an oxidase (XO) both in vivo and in vitro. This gene encodes a protein of 150 kDa and the 150 kDa polypeptide can be processed into a fragment of 130 kDa and further to 85 kDa by spontaneous proteolytic cleavage (PMID:9989587). In addition, the full length polypeptide can be also partially processed into a 87 kDa and 59 kDa fragments (PMID:21528298). It also can exist as a homodimer (PMID:9989587).

## Storage

**Storage:**

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**

PBS only, pH7.3

For technical support and original validation data for this product please contact:

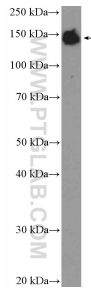
T: 4006900926

E: Proteintech-CN@ptglab.com

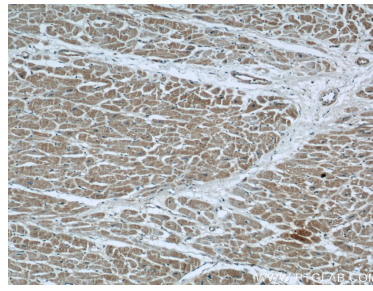
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

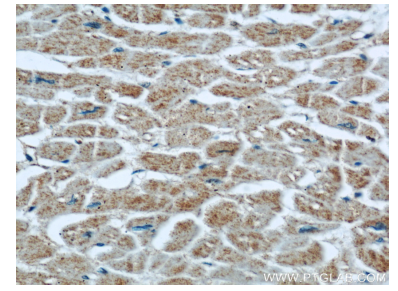
## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 55156-1-AP (XDH Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55156-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart using 55156-1-AP (XDH antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 55156-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human heart using 55156-1-AP (XDH antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 55156-1-PBS in a different storage buffer formulation.