

A22647

Leader in Biomolecular Solutions for Life Science



## Xanthine Oxidase (XDH) Rabbit PolymAb®

Catalog No.: A22647

### Basic Information

**Observed MW**

150kDa

**Calculated MW**

146kDa

**Category**

SMab Recombinant Monoclonal Antibody

**Applications**

WB, IHC-P, ELISA

**Cross-Reactivity**

Human, Mouse, Rat

**CloneNo number**

ARC51278\_ARC51279

### Background

Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Xanthine dehydrogenase can be converted to xanthine oxidase by reversible sulfhydryl oxidation or by irreversible proteolytic modification. Defects in xanthine dehydrogenase cause xanthinuria, may contribute to adult respiratory stress syndrome, and may potentiate influenza infection through an oxygen metabolite-dependent mechanism.

### Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:200

### Immunogen Information

**Gene ID**

7498

**Swiss Prot**

P47989

**Immunogen**

A synthetic peptide of human Xanthine Oxidase (XDH).

**Synonyms**

XO; XOR; XAN1

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

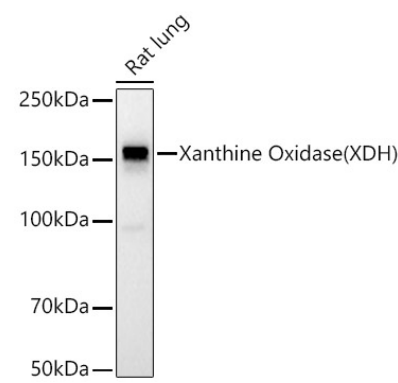
Affinity purification

**Storage**

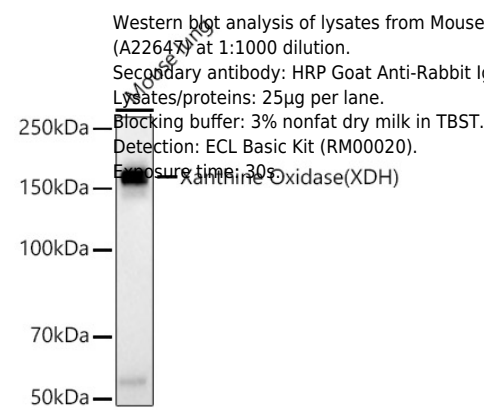
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

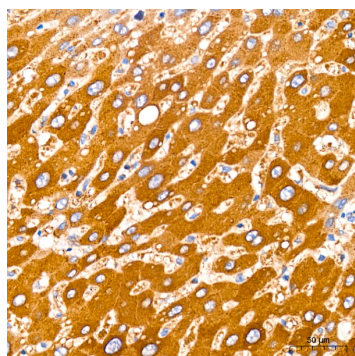
Validation Data



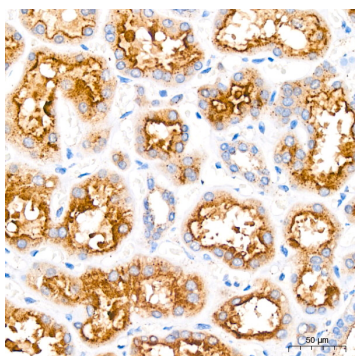
Western blot analysis of lysates from Rat lung, using Xanthine Oxidase (XDH) Rabbit PolymAb® (A22647) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.



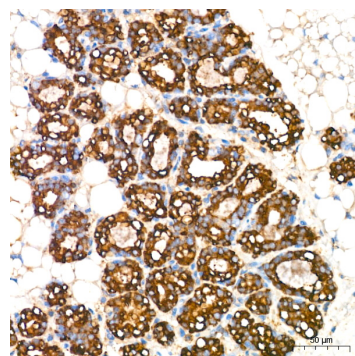
Western blot analysis of lysates from Mouse lung, using Xanthine Oxidase (XDH) Rabbit PolymAb® (A22647) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.



Immunohistochemistry analysis of Xanthine Oxidase (XDH) in paraffin-embedded human liver tissue using Xanthine Oxidase (XDH) Rabbit PolymAb® (A22647) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



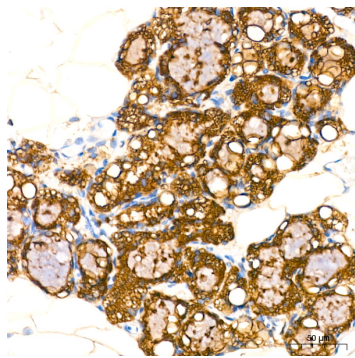
Immunohistochemistry analysis of Xanthine Oxidase (XDH) in paraffin-embedded human kidney tissue using Xanthine Oxidase (XDH) Rabbit PolymAb® (A22647) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Xanthine Oxidase (XDH) in paraffin-embedded mouse breast tissue using Xanthine Oxidase (XDH) Rabbit PolymAb® (A22647) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

## Validation Data

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Immunohistochemistry analysis of Xanthine Oxidase (XDH) in paraffin-embedded rat breast tissue using Xanthine Oxidase (XDH) Rabbit PolymAb® (A22647) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.