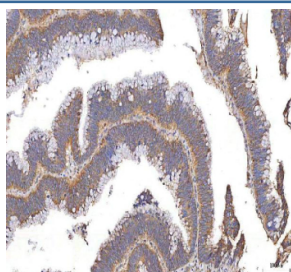


## XDH Antibody / Xanthine Oxidase (RQ8831)

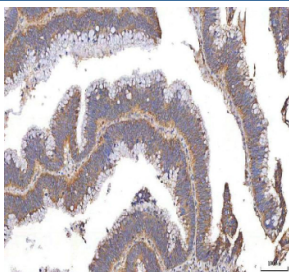
Catalog No.	Formulation	Size
RQ8831	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

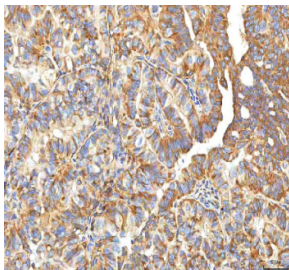
<b>Availability</b>	1-3 days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity chromatography
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P47989
<b>Localization</b>	Cytoplasmic, secreted
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This XDH antibody is available for research use only.



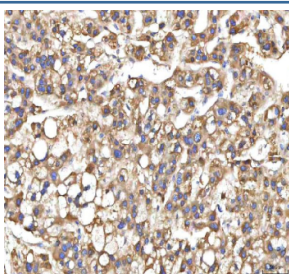
IHC staining of FFPE human colon tissue with XDH antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



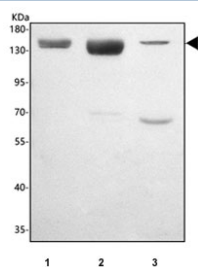
IHC staining of FFPE human colon carcinoma tissue with XDH antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



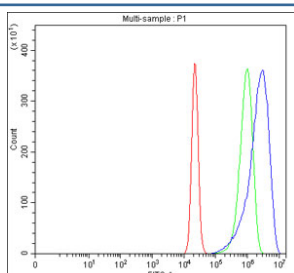
IHC staining of FFPE human thyroid papillary carcinoma tissue with XDH antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with XDH antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) rat liver, 2) mouse liver and 3) mouse lung tissue lysate with XDH antibody. Predicted molecular weight ~146 kDa.



Flow cytometry testing of fixed and permeabilized human RT4 cells with XDH antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=XDH antibody.

## Description

Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines.

## Application Notes

Optimal dilution of the XDH antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids R439-R794) was used as the immunogen for the XDH

antibody.

## **Storage**

After reconstitution, the XDH antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.