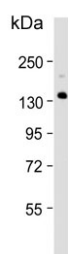


XDH Antibody / Xanthine Oxidase (F55029)

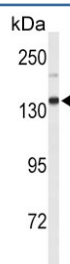
Catalog No.	Formulation	Size
F55029-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55029-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

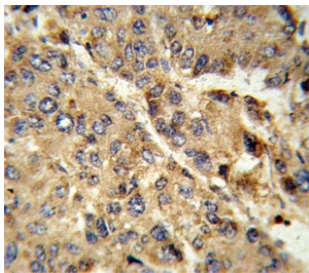
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P47989
Localization	Cytoplasmic, secreted
Applications	Western Blot : 1:500-1:1000 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:10-1:50
Limitations	This XDH antibody is available for research use only.



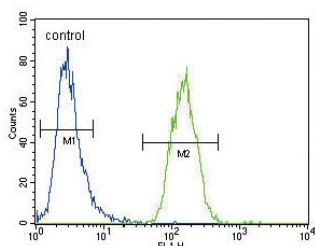
Western blot testing of human fetal liver tissue lysate with XDH antibody. Predicted molecular weight ~146 kDa.



Western blot testing of mouse lung tissue lysate with XDH antibody. Predicted molecular weight ~146 kDa.



IHC testing of FFPE human hepatocellular carcinoma tissue with XDH antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human MDA-MB-231 cells with XDH antibody; Blue=isotype control, Green= XDH antibody.

Description

XDH belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The enzyme is a homodimer. This protein 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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the XDH antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 206-234 from the human protein was used as the immunogen for the XDH antibody.

Storage

Aliquot the XDH antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.