

Xanthine Oxidase (XDH) Monoclonal Antibody

CAB9022

Description

This Xanthine Oxidase (XDH) Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB9022
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	XO, XOR, XAN1, Xanthine Oxidase (XDH)
Clone:	ARC1385
Applications:	WB IHC-P IF/ICC ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	7498
Uniprot:	AB_2863643
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	150kDa
Calculated MW:	146kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

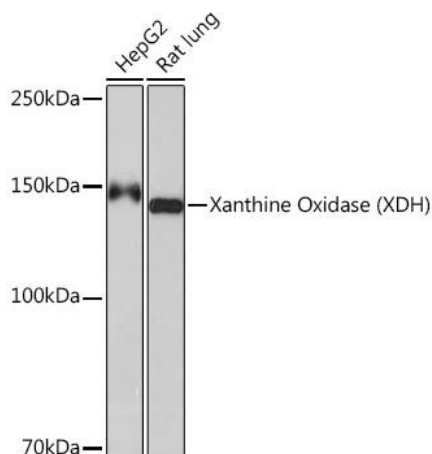
Positive Sample: Hep G2, Rat lung

Recommended Dilutions:

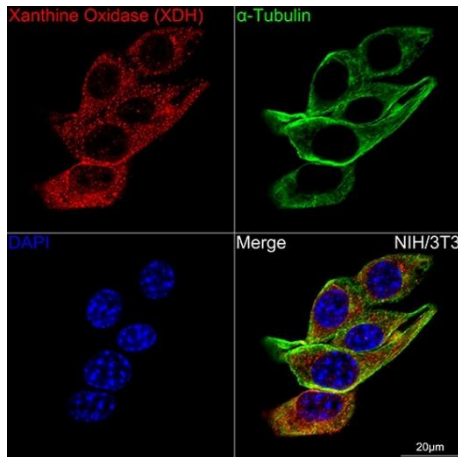
WB	1:1000 - 1:2000
IF/ICC	1:200 - 1:400
IF-P	1:200 - 1:400
IHC-P	1:200 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

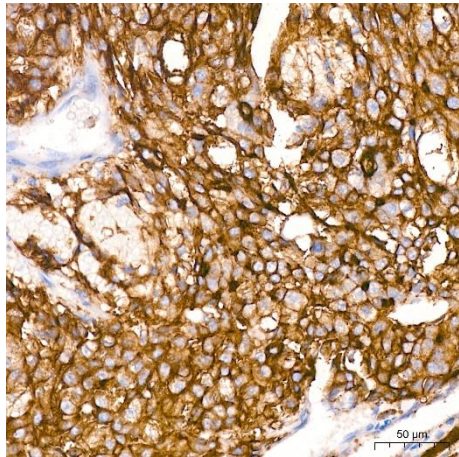
Validation Data



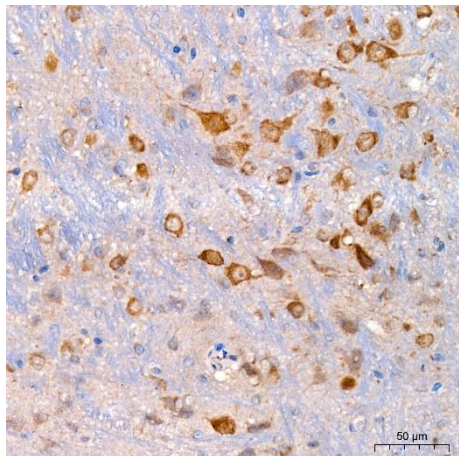
Western blot analysis of various lysates using Xanthine Oxidase (XDH) Rabbit mAb (CAB9022) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



Confocal imaging of NIH/3T3 cells using Xanthine Oxidase (XDH) Rabbit mAb (CAB9022, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using Xanthine Oxidase (XDH) Rabbit mAb (CAB9022) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using Xanthine Oxidase (XDH) Rabbit mAb (CAB9022) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.