

Rabbit anti-Human, mouse XDH Polyclonal Antibody | anti-XDH antibody

XDH Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285500	Rabbit	Human, mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

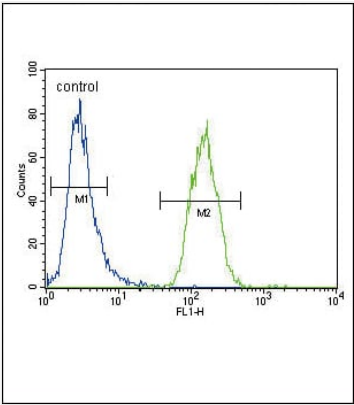
PRODUCT SYNONYMS

XDH; Polyclonal Antibody; XDH Antibody (N-term); Xanthine dehydrogenase/oxidase; Xanthine dehydrogenase; XD; Xanthine oxidase; XO; Xanthine oxidoreductase; XOR; XDHA; anti-XDH antibody

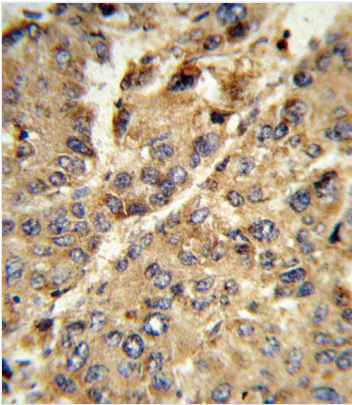
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This XDH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 206-234 amino acids from the N-terminal region of human XDH.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.26 (varies by lot)
Sequence Positions	206-234
Sequence Length	1,333
Applicable Applications for anti-XDH antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

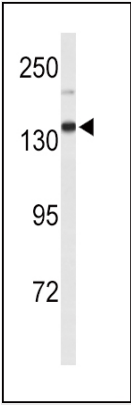
IMAGES



FCM/FACS (Flow Cytometry)
XDH Antibody (N-term) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with XDH Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of XDH Antibody (N-term) in mouse lung tissue lysates (35ug/lane). XDH (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-XDH antibody	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.
Product Categories/Family for anti-XDH antibody	Metabolism; Signal Transduction
References	Ross,C.J., et.al., Nat. Genet. 41 (12), 1345-1349 (2009) Taibi,G., et.al., J. Cell. Biochem. 108 (3), 688-692 (2009) Spiekermann,S., et.al., Eur. Respir. J. 34 (1), 276 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	91823271
NCBI GeneID	7498
NCBI Accession #	NP_000370.2
NCBI GenBank Nucleotide #	NM_000379.3

UniProt Accession #	P47989 ; Q16681 ; Q16712 ; Q4PJ16
Molecular Weight	146424
NCBI Official Full Name	xanthine dehydrogenase/oxidase
NCBI Official Synonym Full Names	xanthine dehydrogenase
NCBI Official Symbol	XDH
NCBI Official Synonym Symbols	XO; XOR
NCBI Protein Information	xanthine dehydrogenase/oxidase
UniProt Protein Name	Xanthine dehydrogenase/oxidase
UniProt Gene Name	XDH
UniProt Synonym Gene Names	XDHA; XD; XO; XOR
UniProt Entry Name	XDH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/xdh-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285500>