

Anti-XDH antibody



Description	Unconjugated Rabbit polyclonal to XDH
Model	STJ191636
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	7498
Gene Symbol	XDH
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	XDH Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Detected in milk (at protein level).
Purification	XDH antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Xanthine dehydrogenase/oxidase Includes: Xanthine dehydrogenase XD Xanthine oxidase XO Xanthine oxidoreductase XOR
Molecular Weight	146 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12805OMIM:278300
Alternative Names	Xanthine dehydrogenase/oxidase Includes: Xanthine dehydrogenase XD Xanthine oxidase XO Xanthine oxidoreductase XOR
Function	Key enzyme in purine degradation. Catalyzes the oxidation of hypoxanthine to xanthine. Catalyzes the oxidation of xanthine to uric acid. Contributes to the generation of reactive oxygen species. Has also low oxidase activity towards aldehydes (in vitro).
Cellular Localization	Cytoplasm Peroxisome Secreted.
Post-translational Modifications	Subject to partial proteolysis; this alters the enzyme from the dehydrogenase form (D) to the oxidase form (O). Contains sulfhydryl groups that are easily oxidized (in vitro); this alters the enzyme from the dehydrogenase form (D) to the oxidase form (O).

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com