



## Anti-XDH (native) polyclonal antibody (DPAB-DC1401)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	XDH (xanthine dehydrogenase) is a protein-coding gene. Diseases associated with XDH include xanthinuria type 1, and adenine phosphoribosyltransferase deficiency, and among its related super-pathways are Caffeine Pathway, Pharmacokinetics and Metabolic pathways. GO annotations related to this gene include iron ion binding and protein homodimerization activity. An important paralog of this gene is AOX1.
<b>Immunogen</b>	Native purified XDH from bovine buttermilk Xanthine.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Bovine
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IP, ELISA,
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	Lyophilized from 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Store at 4°C on dry atmosphere. After reconstitution with 0.1 mL of deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

Gene Name	<a href="#">XDH xanthine dehydrogenase [ Bos taurus (cattle) ]</a>
Official Symbol	XDH
Synonyms	XDH; XOR; xanthine dehydrogenase/oxidase; xanthine oxidoreductase;
Entrez Gene ID	<a href="#">280960</a>
Protein Refseq	<a href="#">NP_776397</a>
UniProt ID	<a href="#">P80457</a>
Chromosome Location	chromosome: 11
Pathway	Caffeine metabolism; Drug metabolism - other enzymes; Folic Acid Network; Peroxisome
Function	2 iron, 2 sulfur cluster binding; UDP-N-acetylmuramate dehydrogenase activity; electron carrier activity; flavin adenine dinucleotide binding