



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

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

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	Native purified XDH from bovine buttermilk Xanthine.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Bovine
Conjugate	Unconjugated
Applications	WB, IP, ELISA,
Format	Lyophilized
Size	100 µg
Buffer	Lyophilized from 20 mM potassium phosphate buffer, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Preservative	0.01% Sodium Azide
Storage	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	XDH xanthine dehydrogenase [Bos taurus (cattle)]
Official Symbol	XDH
Synonyms	XDH; XOR; xanthine dehydrogenase/oxidase; xanthine oxidoreductase;
Entrez Gene ID	280960
Protein Refseq	NP_776397
UniProt ID	P80457
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