



# Anti-XDH monoclonal antibody, clone FQS5716 (DCABH-191)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit monoclonal to Xanthine Oxidase
<b>Antigen Description</b>	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).
<b>Immunogen</b>	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) (internal sequence)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Rat, Human
<b>Clone</b>	FQS5716
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Positive Control</b>	Human fetal liver, 293T, Human milk, and Mouse liver lysates; Human liver tissue
<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
<b>Preservative</b>	0.1% Sodium Azide

**Storage**

Store at -20°C. Stable for 12 months at -20°C

## GENE INFORMATION

Gene Name	<a href="#">XDH xanthine dehydrogenase [ Homo sapiens ]</a>
Official Symbol	XDH
Synonyms	XDH; xanthine dehydrogenase; xanthene dehydrogenase; xanthine dehydrogenase/oxidase; XO; XOR; xanthine oxidase; xanthine oxidoreductase;
Entrez Gene ID	<a href="#">7498</a>
Protein Refseq	<a href="#">NP_000370</a>
UniProt ID	<a href="#">P47989</a>
Chromosome Location	2p23.1
Pathway	Caffeine metabolism, organism-specific biosystem; Caffeine metabolism, conserved biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem;
Function	2 iron, 2 sulfur cluster binding; UDP-N-acetylmuramate dehydrogenase activity; electron carrier activity; flavin adenine dinucleotide binding; iron ion binding; metal ion binding; molybdopterin cofactor binding; oxidoreductase activity, acting on CH-OH gr