

## XDH

**Reactivity:** Human Mouse

**Tested applications:** WB IHC FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:100 FC 1:20 - 1:50

**Calculated MW:** 146kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human XDH

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

XO; XOR

**Catalog #:** A8302

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 7498

**Isotype:** IgG

**Swiss Prot:** P47989

**Purity:** Affinity purification

For research use only.

**Background:**

Xanthine dehydrogenase belongs to the group of molybdenum-containing hydroxylases involved in the oxidative metabolism of purines. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. Xanthine dehydrogenase 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.

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