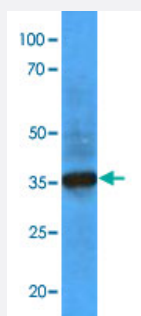


# AKR1C1 monoclonal antibody, clone AT6D10

Catalog # MAB10008      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of HepG2 cell extracts (33 ug) with AKR1C1 monoclonal antibody, clone AT6D10 (Cat # MAB10008) at 1:1000 dilution. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

## Specification

**Product Description** Mouse monoclonal antibody raised against full length recombinant AKR1C1.

**Immunogen** Recombinant protein corresponding to full length human AKR1C1.

**Host** Mouse

**Reactivity** Human

**Form** Liquid

**Purification** Protein G purification

**Isotype** IgG1, kappa

**Recommend Usage** Western Blot (1:1000)  
The optimal working dilution should be determined by the end user.

**Storage Buffer** In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).

**Storage Instruction** Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — AKR1C1

Entrez GeneID [1645](#)

Protein Accession# [NP\\_001344](#)

Gene Name AKR1C1

Gene Alias 2-ALPHA-HSD, 20-ALPHA-HSD, C9, DD1, DDH, DDH1, H-37, HAKRC, MBAB, MGC8954

Gene Description aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase)

Omim ID [600449](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq]

**Other Designations** 20 alpha-hydroxysteroid dehydrogenase|OTTHUMP00000018992|aldo-keto reductase C|aldo-keto reductase family 1, member C1|chlordecone reductase homolog|dihydrodiol dehydrogenase 1|dihydrodiol dehydrogenase isoform DD1|hepatic dihydrodiol dehydrogenase|trans-

## Pathway

- [Metabolism of xenobiotics by cytochrome P450](#)

## Disease

- [Alzheimer Disease](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)