# AKR1C1 Rabbit Polyclonal Antibody

**CAB13004**

## Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

38kDa

**Calculated MW:**

36kDa

**Applications:**

WB

**Reactivity:**

Human, Mouse

## Antibody Information

**Recommended dilutions:**
WB 1:1000 - 1:3000

**Source:**
Rabbit

**Isotype:**
IgG

**Purification:**
Affinity purification

## Protein Background

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.

## Immunogen information

**Gene ID:**
1645

**Uniprot**
Q04828

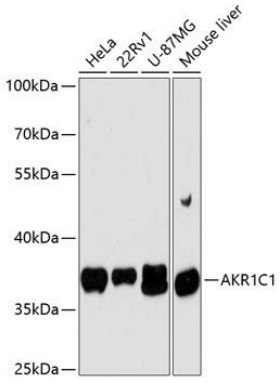
**Synonyms:**
AKR1C1; 2-ALPHA-HSD; 20-ALPHA-HSD; C9; DD1; DD1/DD2; DDH; DDH1; H-37; HAKRC; HBAB; MBAB

**Immunogen:**
Recombinant fusion protein containing a sequence corresponding to amino acids 1-323 of human AKR1C1 (NP_001344.2).

**Storage:**
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Product Images**




Western blot analysis of extracts of various cell lines, using AKR1C1 antibody (CAB13004) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.