

**Anti-Human DD2 Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA03508**

3th Edition

**Description:** 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 using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3- $\alpha$ -hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for this gene. AKR1C2 (Aldo-Keto Reductase Family 1 Member C2) is a Protein Coding gene. Diseases associated with AKR1C2 include 46Xy Sex Reversal 8 and Obesity, Hyperphagia, And Developmental Delay. Among its related pathways are Synthesis of bile acids and bile salts and Steroid hormone biosynthesis. GO annotations related to this gene include oxidoreductase activity and carboxylic acid binding. An important paralog of this gene is AKR1C1.

**Antigen:** Synthesized peptide derived from the Internal region of human DD2

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Expressed in fetal testes. Expressed in fetal and adult adrenal glands.