

## AK1C4 Rabbit pAb

CatalogNo: YN0429

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- WB,ELISA

#### MW

- 35kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-2000**

**ELISA 1:5000-20000**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol,0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 1-80

**Specificity** AK1C4 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** AKR1C4 CHDR

**Protein Name** Aldo-keto reductase family 1 member C4 (3-alpha-HSD1) (3-alpha-hydroxysteroid dehydrogenase type I) (Chlordecone reductase) (CDR) (Dihydrodiol dehydrogenase 4) (DD-4) (DD4) (HAKRA)

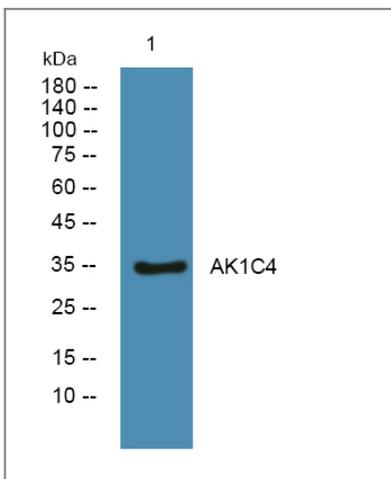
Organism	Gene ID	UniProt ID
Human	<a href="#">1109</a> ;	<a href="#">P17516</a> ;

**Cellular Localization** Cytoplasm, cytosol .

**Tissue specificity** Liver specific.

**Function** Catalytic activity:Androsterone + NAD(P)(+) = 5-alpha-androstane-3,17-dione + NAD(P)H.,Catalytic activity:Chlordecone alcohol + NADP(+) = chlordecone + NADPH.,Function:Catalyzes the transformation of the potent androgen dihydrotestosterone (DHT) into the less active form, 5-alpha-androstan-3-alpha,17-beta-diol (3-alpha-diol). Also has some 20-alpha-hydroxysteroid dehydrogenase activity. The biotransformation of the pesticide chlordecone (kepone) to its corresponding alcohol leads to increased biliary excretion of the pesticide and concomitant reduction of its neurotoxicity since bile is the major excretory route.,polymorphism:The allele with Cys-145/Val-311 shows a three- to five-fold decrease in catalytic efficiency for xenobiotic and steroidal substrates compared to the Ser-145/Leu-311 allele.,PTM:The N-terminus is blocked.,similarity:Belongs to the aldo/keto reductase family.,subunit:Monomer.,tissue specificity:Liver specific.,

## Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night

## Contact information

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