

Rabbit Anti-AKR1C2/AF350 Conjugated antibody

SL20547R-AF350

Product Name	Anti-AKR1C2/AF350
Chinese Name	AF350 标记的胆汁酸 Binding proteinDDH2 抗体
Alias	2-dihydrobenzene-1; 2-diol dehydrogenase; 3 alpha HSD3; 3 alpha hydroxysteroid dehydrogenase type III; 3-alpha-HSD3; AK1C2_HUMAN; AKR1C pseudo; AKR1C2; Aldo keto reductase family 1 member C2; Aldo-keto reductase family 1 member C2; BABP; Bile acid binding protein; Chlordecone reductase homolog; Chlordecone reductase homolog HAKRD; DD; DD-2; DD/BABP; DD2; DDH 2; DDH2; Dihydrodiol dehydrogenase 2; Dihydrodiol dehydrogenase/bile acid binding protein; Dihydrodiol dehydrogenase/bile acid-binding protein; HAKRD; HBAB; MCDR 2; MCDR2; Pseudo chlordecone reductase; Trans 1 2 dihydrobenzene 1 2 diol dehydrogenase; Trans-1; Type II dihydrodiol dehydrogenase; Type III 3 alpha hydroxysteroid dehydrogenase; Type III 3-alpha-hydroxysteroid dehydrogenase.
Research Area	Tumour Cell biology Signal transduction TumourCell biologyMaker
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	37kDa
Form	Lyophilized or Liquid
Concentration immunogen	1mg/ml KLH conjugated synthetic peptide derived from human AKR1C2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The

lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

background:

Works in concert with the 5-alpha/5-beta-steroid reductases to convert steroid hormones into the 3-alpha/5-alpha and 3-alpha/5-beta-tetrahydrosteroids.

Catalyzes the inactivation of the most potent androgen

5-alpha-dihydrotestosterone (5-alpha-DHT) to

5-alpha-androstane-3-alpha,17-beta-diol (3-alpha-diol). Has a high bile-binding ability.

Function:

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Subcellular Location:

Cytoplasm (Potential).

Product Detail

Tissue Specificity:

Expressed in fetal testes. Expressed in fetal and adult adrenal glands.

DISEASE:

Defects in AKR1C2 are a cause of 46,XY sex reversal type 8 (SRXY8) [MIM:614279]. A disorder of sex development. Affected individuals have a 46,XY karyotype but present as phenotypically normal females.

Similarity:

Belongs to the aldo/keto reductase family.

Database links:

[SwissProt: P52895](#) Human

[SwissProt: Q04828](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



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