SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-AKR1C2/Biotin Conjugated antibody

Catalog Number: SL20547R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-AKR1C2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human AKR1C2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse)
Background:	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:** 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. **Subcellular Location:** Cytoplasm (Potential). **Tissue Specificity:** Expressed in fetal testes. Expressed in fetal and adult adrenal glands.

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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	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.