

## Product datasheet for **TA324084S**

### AKR1D1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human liver cancer tissue IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length fusion protein
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	37 kDa
Gene Name:	aldo-keto reductase family 1, member D1
Database Link:	<a href="#">NP_001177835</a> <a href="#">Entrez Gene 192242 RatEntrez Gene 208665 MouseEntrez Gene 6718 Human P51857</a>
Background:	The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones carrying a delta(4)-3-one structure. Deficiency of this enzyme may contribute to hepatic dysfunction. Three transcript variants encoding different isoforms have been found for this gene. Other variants may be present, but their full-length natures have not been determined yet.
Synonyms:	3o5bred; CBAS2; SRD5B1



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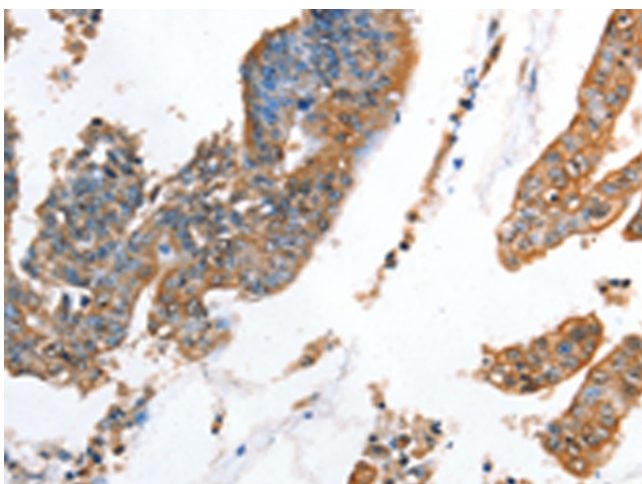
**Protein Families:** Druggable Genome

**Protein Pathways:** Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways, Primary bile acid biosynthesis

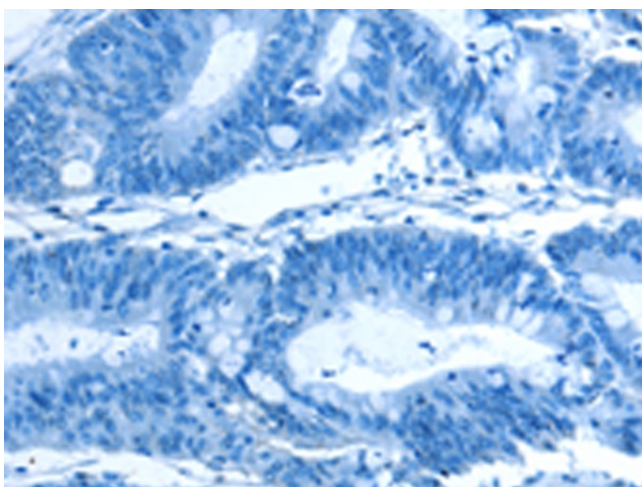
### Product images:



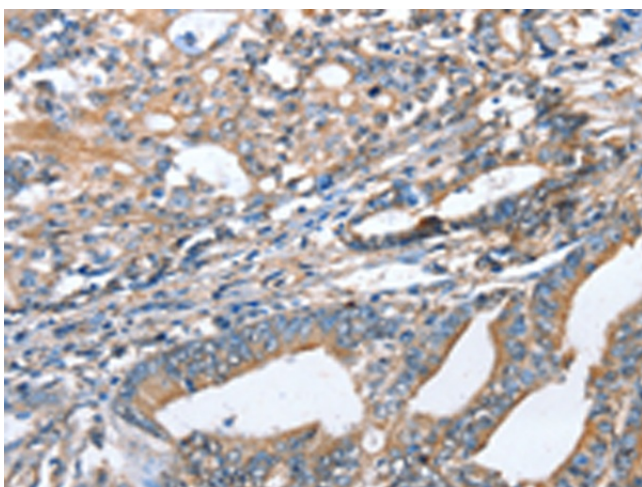
Gel: 8%SDS-PAGE  
Lysate: 80  $\mu$ g  
Lane: Human liver cancer tissue  
Primary antibody: [TA324084] (AKR1D1 Antibody) at dilution 1/650  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 1 minute



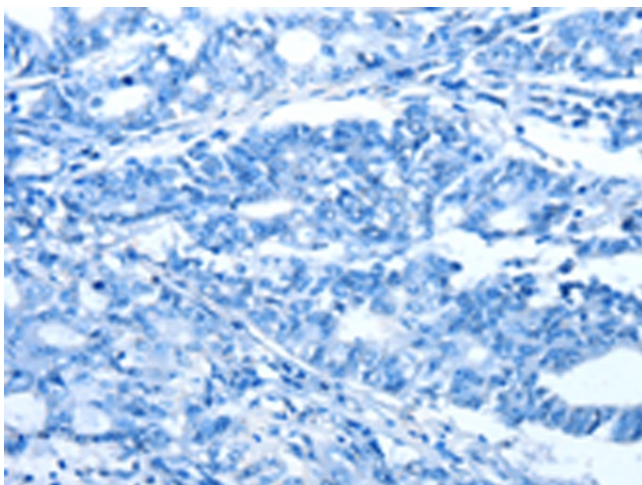
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA324084] (AKR1D1 Antibody) at dilution 1/35 (Original magnification:  $\times$ 200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA324084] (AKR1D1 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA324084] (AKR1D1 Antibody) at dilution 1/35 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA324084] (AKR1D1 Antibody) at dilution 1/35, treated with fusion protein. (Original magnification:  $\times 200$ )