

## Product datasheet for **TA350066S**

### HSD3B1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human adrenal gland tissue IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human HSD3B1
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% 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:	42 kDa
Gene Name:	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1
Database Link:	<a href="#">NP_000853</a> <a href="#">Entrez Gene 3283 Human P14060</a>
Background:	3 beta-hydroxysteroid dehydrogenase (3 $\beta$ -HSD), also known as HSD3B1 or HSDB3, is a bifunctional enzyme that plays a crucial role in the synthesis of all classes of hormonal steroids. Two human 3 $\beta$ -HSD proteins, designated type I (3 $\beta$ -HSD) and type II (3 $\beta$ -HSD2), are expressed by different genes and function in different areas of the body.
Synonyms:	3BETAHSD; HSD3B; HSDB3; HSDB3A; I; SDR11E1
Protein Families:	Transmembrane



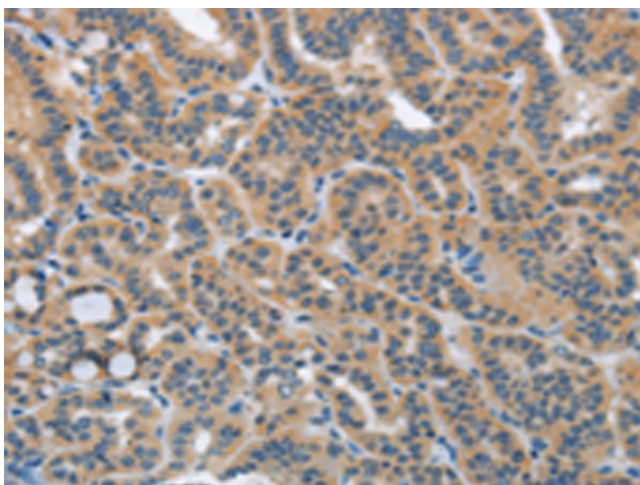
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Protein Pathways: Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways

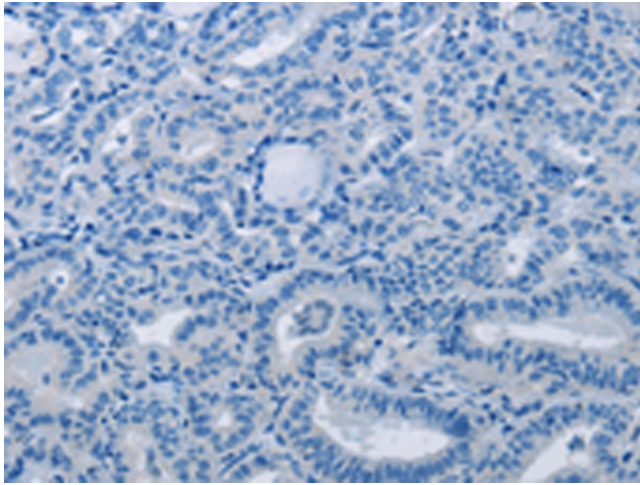
### Product images:



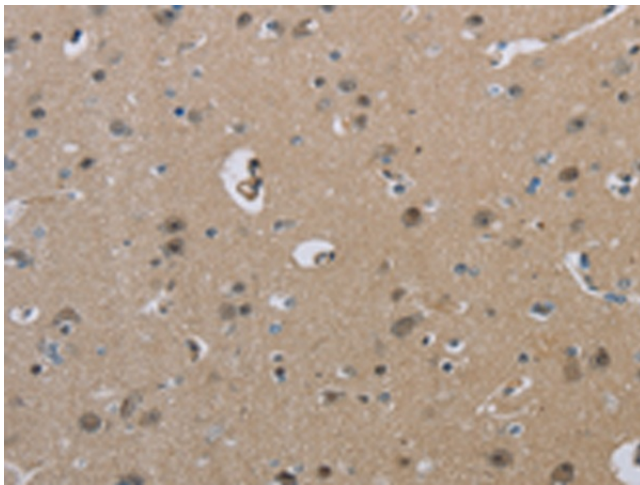
Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane: Human adrenal gland tissue  
Primary antibody: [TA350066] (HSD3B1 Antibody) at dilution 1/250  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 3 minutes



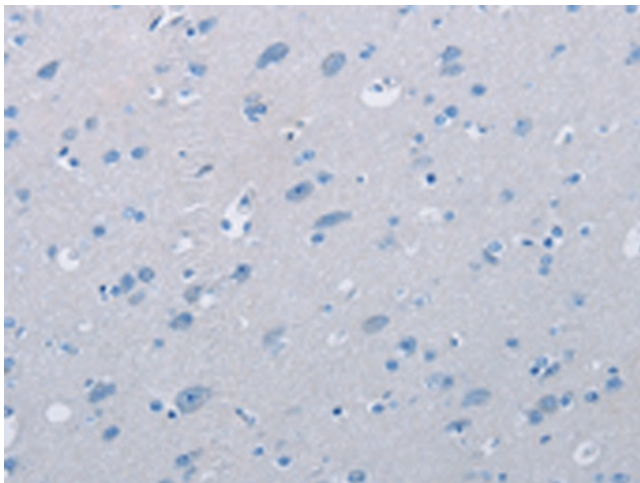
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA350066] (HSD3B1 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA350066] (HSD3B1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA350066] (HSD3B1 Antibody) at dilution 1/40 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA350066] (HSD3B1 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification:  $\times 200$ )