

# HSD17B1 Polyclonal Antibody

Catalog Number:E-AB-16497



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

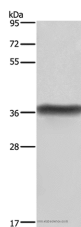
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Synthetic peptide of human HSD17B1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

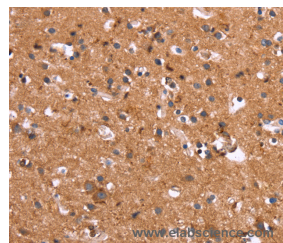
## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:200

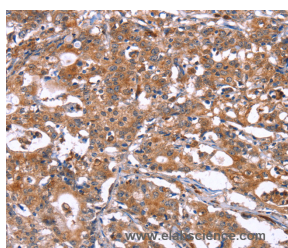
## Data



Western Blot analysis of Human placenta tissue using HSD17B1 Polyclonal Antibody at dilution of 1:600  
**Calculated Mw:35kDa**



Immunohistochemistry of paraffin-embedded Human brain using HSD17B1 Polyclonal Antibody at dilution of 1:40



Immunohistochemistry of paraffin-embedded Human gastric cancer using HSD17B1 Polyclonal Antibody at dilution of 1:40

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Hydroxysteroid (17-beta) dehydrogenase 1 catalyzes the final step in the formation of estradiol and testosterone from estrone and androstenedione, respectively. Ovarian granulosa cells and breast tissue both express HSD17B1. Other tissues that express HSD17B1 include testis, placenta, uterus, prostate and adipose tissue. HSD17B1 functions as a homodimer and prefers NADP(H) over NAD(H) for oxidation and reduction. The gene encoding human HSD17B1 maps to

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chromosome 17q12-q21. The importance of HSD17B1 to estradiol production suggests the specific inhibition of HSD17B1 may aid in breast cancer therapy.

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