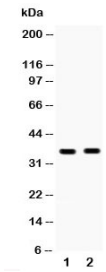
HSD17B6 Antibody (R30457)

Catalog No.	Formulation	Size
R30457	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O14756
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml (1)
Limitations	This HSD17B6 antibody is available for research use only.



Western blot testing of HSD17B6 antibody and Lane 1: human placenta; 2: MCF-7; Predicted/observed molecular weight: ~35kDa.

Description

Hydroxysteroid 17-beta dehydrogenase 6 is an enzyme that in humans is encoded by the HSD17B6 gene. The protein encoded by this gene has both oxidoreductase and epimerase activities and is involved in androgen catabolism. Baker ME et al point out expression of 17beta-HSDs had an important role in the early evolution of the physiological response to androgens and estrogens. Biswas and Russell concluded that 17beta-HSD6 and RoDH play opposing roles in androgen action; 17beta-HSD6 inactivates 3alpha-adiol by conversion to androsterone and RoDH activates 3alpha-adiol by conversion to dihydrotestosterone. The synthesis of an active steroid hormone by back conversion of an inactive

metabolite represents a potentially important mechanism by which the steady state level of a transcriptional effector can be regulated.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HSD17B6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. HIER: steamed with pH6 citrate buffer is required for FFPE testing.

Immunogen

An amino acid sequence from the C-terminus of human HSD17B6 (SLADYILTRSWPKPAQAV) was used as the immunogen for this HSD17B6 antibody.

Storage

Store the HSD17B6 antibody at -20oC.

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