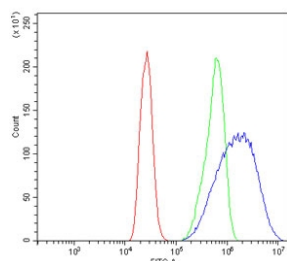


## HSD17B2 Antibody (RQ6134)

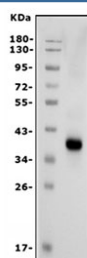
Catalog No.	Formulation	Size
RQ6134	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P37059
<b>Applications</b>	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This HSD17B2 antibody is available for research use only.



Flow cytometry testing of human Caco-2 cells with HSD17B2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HSD17B2 antibody.



Western blot testing of human placenta with HSD17B2 antibody. Predicted molecular weight ~43 kDa.

## Description

HSD17B2 (17-BETA-HYDROXYSTEROID DEHYDROGENASE II), also called 17-BETA-HSD II, is an enzyme which has 387 amino acids with a predicted molecular weight of 42,782 and associates with the membranes of the endoplasmic reticulum. Its cytogenetic location is 16q23.3. The type 2 enzyme was capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. HSD17B2 mRNA was detected in 18 of 42 (43%) adenomas but not in prolactinomas. In the human endometrium, inactivation of 17-beta-estradiol to estrone is catalyzed by HSD17B2. And HSD17B2 activity distinguishes between disease-free and diseased endometria. HSD17B2 efficiently catalyzes the oxidative metabolism of androgens and estrogens, and it is expressed in a large series of human peripheral tissues. The previous paradigm that HSD17B2 activity in the endometrium is elevated during the secretory phase is confined to diseased endometrium but not to disease-free endometrium.

## Application Notes

Optimal dilution of the HSD17B2 antibody should be determined by the researcher.

## Immunogen

Amino acids IYDYFAKRHFGQDK from the human protein were used as the immunogen for the HSD17B2 antibody.

## Storage

After reconstitution, the HSD17B2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.