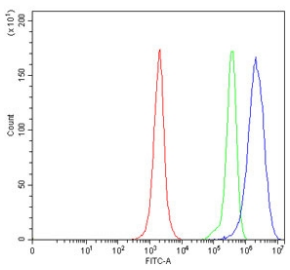
HSD17B8 Antibody / 17-beta-hydroxysteroid dehydrogenase 8 (RQ7388)

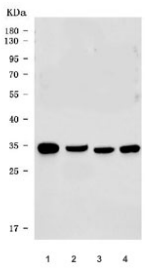
Catalog No.	Formulation	Size
RQ7388	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q92506
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This HSD17B8 antibody is available for research use only.



Flow cytometry testing of human JK cells with HSD17B8 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= HSD17B8 antibody.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) rat liver and 4) mouse liver tissue lysate with HSD17B8 antibody. Predicted molecular weight ~34 kDa.

Description

Estradiol 17 beta-dehydrogenase 8, also called 17-beta-HSD 8 and Protein Ke6, is an enzyme that in humans is encoded by the HSD17B8 gene. In mice, the Ke6 protein is a 17-beta-hydroxysteroid dehydrogenase that can regulate the concentration of biologically active estrogens and androgens. It is preferentially an oxidative enzyme and inactivates estradiol, testosterone, and dihydrotestosterone. However, the enzyme has some reductive activity and can synthesize estradiol from estrone. The protein encoded by this gene is similar to Ke6 and is a member of the short-chain dehydrogenase superfamily. An alternatively spliced transcript of this gene has been detected, but the full-length nature of this variant has not been determined.

Application Notes

Optimal dilution of the HSD17B8 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids D42-D244) was used as the immunogen for the HSD17B8 antibody.

Storage

After reconstitution, the HSD17B8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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