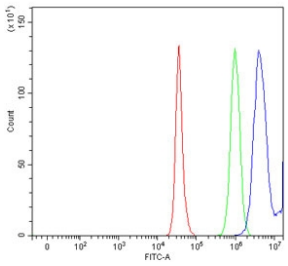
17-beta-HSD 3 Antibody / HSD17B3 (RQ7344)

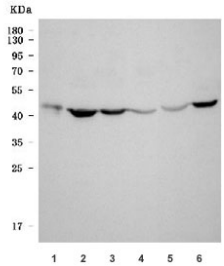
Catalog No.	Formulation	Size
RQ7344	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	P37058
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This 17-beta-HSD 3 antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with 17-beta-HSD 3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= 17-beta-HSD 3 antibody.



Western blot testing of 1) human U-2 OS, 2) human HeLa, 3) rat testis, 4) rat liver, 5) mouse liver and 6) mouse RAW264.7 cell lysate with 17-beta-HSD 3 antibody. Predicted molecular weight ~34 kDa.

Description

17beta-Hydroxysteroid dehydrogenase 3 (17b-HSD3) is an enzyme that in humans is encoded by the HSD17B3 gene and is involved in androgen steroidogenesis. This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia.

Application Notes

Optimal dilution of the 17-beta-HSD 3 antibody should be determined by the researcher.

Immunogen

Amino acids NLLPSHFLNAPDEIQSLIH were used as the immunogen for the 17-beta-HSD 3 antibody.

Storage

After reconstitution, the 17-beta-HSD 3 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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