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Anti-HSD17B2 Antibody

Catalog # AP60874

Product Information

Application	WB
Primary Accession	P37059
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42785

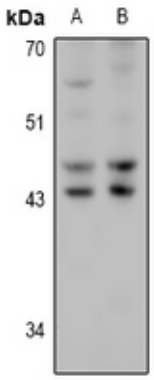
Additional Information

Gene ID	3294
Other Names	EDH17B2; Estradiol 17-beta-dehydrogenase 2; 17-beta-hydroxysteroid dehydrogenase type 2; 17-beta-HSD 2; 20 alpha-hydroxysteroid dehydrogenase; 20-alpha-HSD; E2DH; Microsomal 17-beta-hydroxysteroid dehydrogenase; Testosterone 17-beta-dehydrogenase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human HSD17B2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	HSD17B2 (HGNC:5211)
Synonyms	EDH17B2, SDR9C2
Function	Catalyzes the NAD-dependent oxidation of the highly active 17beta-hydroxysteroids, such as estradiol (E2), testosterone (T), and dihydrotestosterone (DHT), to their less active forms and thus regulates the biological potency of these steroids. Oxidizes estradiol to estrone, testosterone to androstenedione, and dihydrotestosterone to 5alpha-androstan-3,17-dione. Also has 20-alpha-HSD activity.
Cellular Location	Endoplasmic reticulum membrane; Single-pass type II membrane protein
Tissue Location	Expressed in placenta.

Images



Western blot analysis of HSD17B2 expression in HCT116 (A), CT26 (B) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 43 kD)