

DATASHEET

HSD17B3 Rabbit Polyclonal Antibody

CAT. NO. APA15859

KEY FEATURES

Target	HSD17B3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Catalyzes the conversion of 17-oxosteroids to 17beta-hydroxysteroids . Favors the reduction of androstenedione to testosterone . Testosterone is the key androgen driving male development and function . Uses NADPH while the two other EDH17B enzymes use NADH . Androgens such as epiandrosterone, dehydroepiandrosterone, androsterone and androstenedione are accepted as substrates and reduced at C-17 . Can reduce 11-ketoandrostenedione as well as 11beta-hydroxyandrostenedione at C-17 to the respective testosterone forms .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

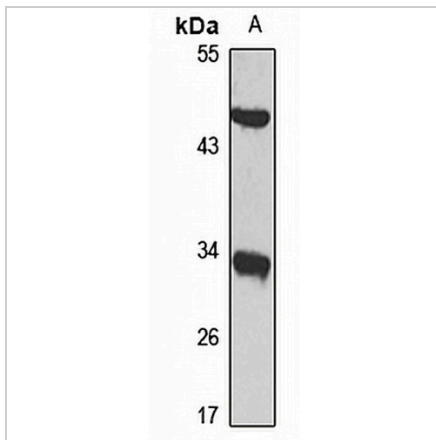
Description	Rabbit polyclonal antibody to HSD17B3
Specificity	Recognizes endogenous levels of HSD17B3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human HSD17B3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 29; Observed: 34 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	EDH17B3; Testosterone 17-beta-dehydrogenase 3; 17-beta-hydroxysteroid dehydrogenase type 3; 17-beta-HSD 3; Testicular 17-beta-hydroxysteroid dehydrogenase
Gene Symbol	HSD17B3
Entrez Gene	3293(Human); 15487(Mouse); 117182(Rat)
SwissProt	P37058(Human); P70385(Mouse); O54939(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of HSD17B3 expression in rat lung (A) whole cell lysates. (Predicted band size: 29; 34 kD; Observed band size: 34 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.