

Datasheet for ABIN950183

**anti-HSD17B3 antibody (Middle Region)****3** Images[Go to Product page](#)

## Overview

Quantity:	0.4 mL
Target:	HSD17B3
Binding Specificity:	AA 96-126, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 96~126 amino acids from the Central region of human 17-beta-HSD3 / HSD17B3
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human 17-beta-HSD3 / HSD17B3 (Center).
Purification:	Protein A column, followed by peptide affinity purification

## Target Details

Target:	HSD17B3
Alternative Name:	17-beta-HSD3 / HSD17B3 ( <a href="#">HSD17B3 Products</a> )

## Target Details

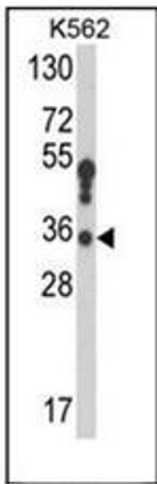
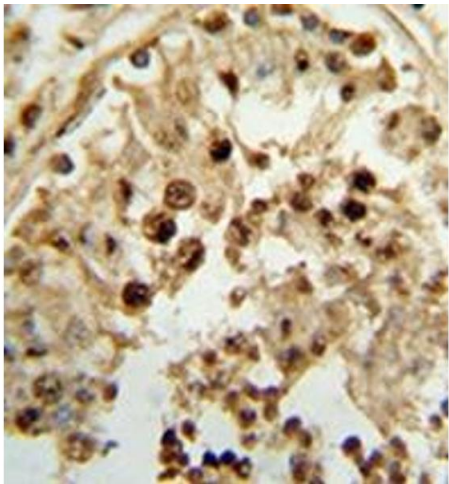
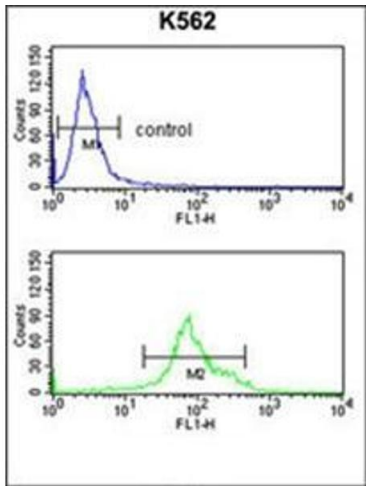
Background:	This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia.Synonyms: 17-beta-hydroxysteroid dehydrogenase type 3, EDH17B3, Testicular 17-beta-hydroxysteroid dehydrogenase, Testosterone 17-beta-dehydrogenase 3
Molecular Weight:	34516 Da
Gene ID:	3293
NCBI Accession:	<a href="#">NP_000188</a>
Pathways:	<a href="#">Metabolism of Steroid Hormones and Vitamin D</a> , <a href="#">Steroid Hormone Biosynthesis</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

**Image 1.** Flow cytometry analysis of K562 cells using 17-beta-HSD3 / HSD17B3 Antibody (Center) Cat.-No AP52111PU-N (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry analysis in formalin-fixed and paraffin-embedded human testis tissue reacted with 17-beta-HSD3 / HSD17B3 Antibody (Center) followed which was peroxidase conjugated to the secondary antibody, followed by DAB staining.

Western Blotting

**Image 3.** Western blot analysis of 17-beta-HSD3 / HSD17B3 Antibody (Center) in K562 cell line lysates (35ug/lane). HSD17B3 (arrow) was detected using the purified Pab.