Datasheet for ABIN7603060

anti-HSD17B3 antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	HSD17B3
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSD17B3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HSD17B3 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human HSD17B3, which shares 68.4% amino acid (aa) sequence identity with rat HSD17B3.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-HSD17B3 Antibody Picoband® (ABIN7603060). Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	HSD17B3
Alternative Name:	HSD17B3 (HSD17B3 Products)
Background:	Synonyms: Sodium channel protein type 11 subunit alpha, Peripheral nerve sodium channel 5, PN5, Sensory neuron sodium channel 2, Sodium channel protein type XI subunit alpha, Voltage-gated sodium channel subunit alpha Nav1.9, hNaN, SCN11A, SCN12A, SNS2 Tissue Specificity: Expressed in the dorsal root ganglia and trigeminal ganglia, olfactory bulb, hippocampus, cerebellar cortex, spinal cord, spleen, small intestine and placenta. Background: 17β-Hydroxysteroid dehydrogenase 3 (17β-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.
Molecular Weight:	40 kDa
Gene ID:	3293
UniProt:	P37058
Pathways:	Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Ademola Akesode, F., Meyer, W. J., III, Migeon, C. J. Male pseudohermaphroditism with gynaecomastia due to testicular 17-ketosteroid reductase deficiency. Clin. Endocr. 7: 443-452, 1977. 2. Andersson, S., Geissler, W. M., Wu, L., Davis, D. L., Grumbach, M. M., New, M. I., Schwarz, H. P., Blethen, S. L., Mendonca, B. B., Bloise, W., Witchel, S. F., Cutler, G. B., Jr., Griffin, J. E., Wilson, J. D., Russell, D. W. Molecular genetics and pathophysiology of 17-beta-hydroxysteroid dehydrogenase 3 deficiency. J. Clin. Endocr. Metab. 81: 130-136, 1996. 3. Bilbao, J. R., Loridan, L., Audi, L., Gonzalo, E., Castano, L. A novel missense (R80W) mutation in 17-beta-hydroxysteroid dehydrogenase type 3 gene associated with male pseudohermaphroditism. Europ. J. Endocr. 139: 330-333, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.