10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Hsd17b12 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12760

Product Information

Application	WB
Primary Accession	O70503
Other Accession	NM_019657, NP_062631
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34742

Additional Information

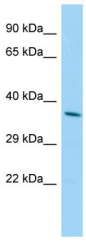
Gene ID	56348
Alias Symbol	2610510O05Rik, AI172963, KIK-I, Kik1
Other Names	Estradiol 17-beta-dehydrogenase 12, 1.1.1.62, 17-beta-hydroxysteroid dehydrogenase 12, 17-beta-HSD 12, 3-ketoacyl-CoA reductase, KAR, 1.3.1.-, KIK-I, Hsd17b12, Kik1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Hsd17b12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Hsd17b12 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Hsd17b12 {ECO:0000312|MGI:MGI:1926967}
Synonyms	Kik1
Function	Catalyzes the second of the four reactions of the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process, allows the addition of two carbons to the chain of long- and very long-chain fatty acids/VLCFAs per cycle. This enzyme has a 3-ketoacyl-CoA reductase activity, reducing 3-ketoacyl-CoA to 3- hydroxyacyl-CoA, within each cycle of fatty acid elongation. Thereby, it may participate in the production of VLCFAs of different chain lengths that are involved in multiple biological processes as

	precursors of membrane lipids and lipid mediators. May also catalyze the transformation of estrone (E1) into estradiol (E2) and play a role in estrogen formation.
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q53GQ0}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q53GQ0}
Tissue Location	Expressed in most tissues tested.

Images



Host: Rabbit
Target Name: Hsd17b12
Sample Tissue: Mouse Testis lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.