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Hsd17b12 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12760

Specification

Hsd17b12 Antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	O70503
Other Accession	NM_019657, NP_062631
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35kDa KDa**

Hsd17b12 Antibody - C-terminal region - 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.

Hsd17b12 Antibody - C-terminal region - 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}

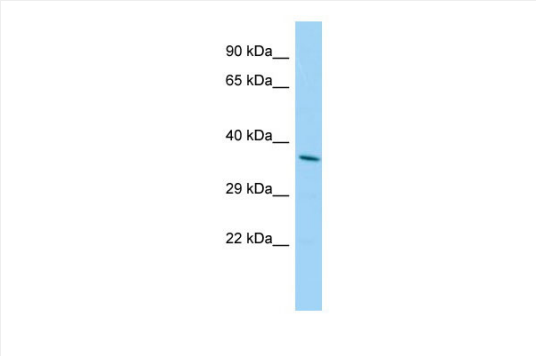
Tissue Location
Expressed in most tissues tested.

Hsd17b12 Antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Hsd17b12 Antibody - C-terminal region - Images



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