



# HSD17B3 Mouse mAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Catalog No</b>                  | YP-mAb-18871                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity</b>                  | Human;Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>                   | HSD17B3 EDH17B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>                   | Synthesized peptide derived from human HSD17B3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity</b>                 | This antibody detects endogenous levels of HSD17B3 at Human, Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>                      | Monoclonal,Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Dilution</b>                    | WB 1:500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>                    | EDH17B3;SDR12C2;HSD17B3;HSD17B3 EDH17B3;Testosterone 17-beta-dehydrogenase 3 (17-beta-hydroxysteroid dehydrogenase type 3) (17-beta-HSD 3) (Testicular 17-beta-hydroxysteroid dehydrogenase)                                                                                                                                                                                                                                                                                                                                              |
| <b>Observed Band</b>               | 33kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Calculated Molecular Weight</b> | 35kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cell Pathway</b>                | Endoplasmic reticulum .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tissue Specificity</b>          | Testis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Function</b>                    | 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 . |
| <b>Background</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**