

DHB12 Rabbit pAb

CatalogNo: YN0706

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 34kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity DHB12 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name HSD17B12

Protein Name Estradiol 17-beta-dehydrogenase 12 (17-beta-hydroxysteroid dehydrogenase 12) (17-beta-HSD 12) (3-ketoacyl-CoA reductase) (KAR) (EC 1.3.1.-)

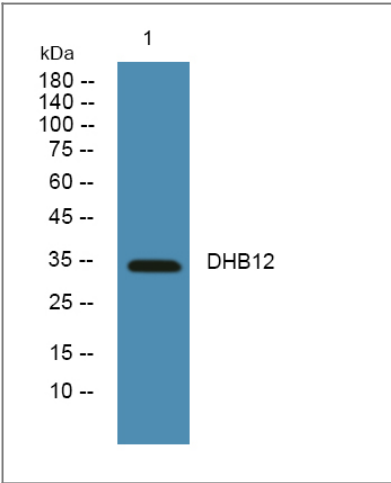
Organism	Gene ID	UniProt ID
Human	51144;	Q53GQ0;
Mouse		O70503;
Rat		Q6P7R8;

Cellular Localization Endoplasmic reticulum membrane ; Multi-pass membrane protein .

Tissue specificity Expressed in most tissues tested. Highly expressed in the ovary and mammary. Expressed in platelets.

Function Catalytic activity:Estradiol-17-beta + NAD(P)(+) = estrone + NAD(P)H.,Domain:The di-lysine motif confers endoplasmic reticulum localization for type I membrane proteins.,Function:Catalyzes the transformation of estrone (E1) into estradiol (E2), suggesting a central role in estrogen formation. Its strong expression in ovary and mammary gland suggest that it may constitute the major enzyme responsible for the conversion of E1 to E2 in women. Also has 3-ketoacyl-CoA reductase activity, reducing both long chain 3-ketoacyl-CoAs and long chain fatty acyl-CoAs, suggesting a role in long fatty acid elongation.,pathway:Lipid metabolism; fatty acid biosynthesis.,pathway:Steroid biosynthesis; estrogen biosynthesis.,similarity:Belongs to the short-chain dehydrogenases/reductases (SDR) family. 17-beta-HSD 3 subfamily.,tissue specificity:Expressed in most tissues tested. Highly expressed in the ovary and mammary. Expressed in platelets.,

Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°over night

Contact information

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DHB12 Rabbit pAb

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