

Product datasheet for **TA350058**

HSD17B12 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A172 and A375 cells IHC: 50-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human HSD17B12
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	34 kDa
Gene Name:	hydroxysteroid (17-beta) dehydrogenase 12
Database Link:	NP_057226 Entrez Gene 56348 Mouse Entrez Gene 84013 Rat Entrez Gene 51144 Human Q53GQ0



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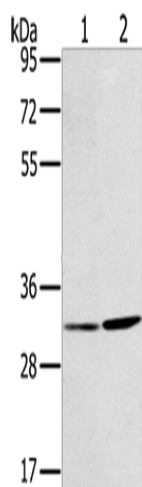
Background: This gene encodes a very important 17beta-hydroxysteroid dehydrogenase (17beta-HSD) that converts estrone into estradiol in ovarian tissue. This enzyme is also involved in fatty acid elongation. Catalyzes the transformation of estrone (E1) into estradiol (E2), suggesting a central role in 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.

Synonyms: KAR; SDR12C1

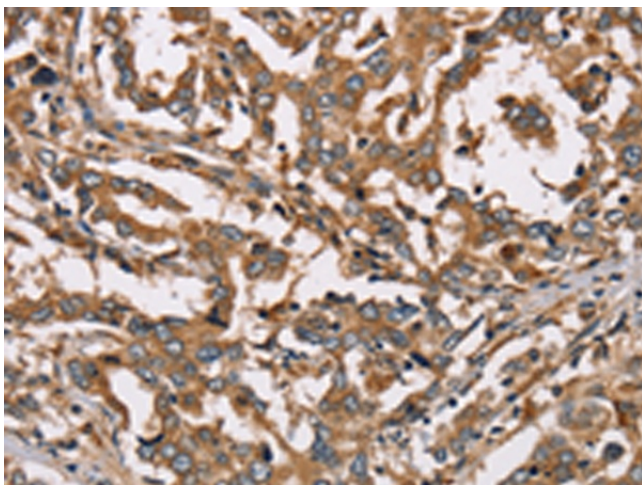
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Androgen and estrogen metabolism, Biosynthesis of unsaturated fatty acids, Metabolic pathways

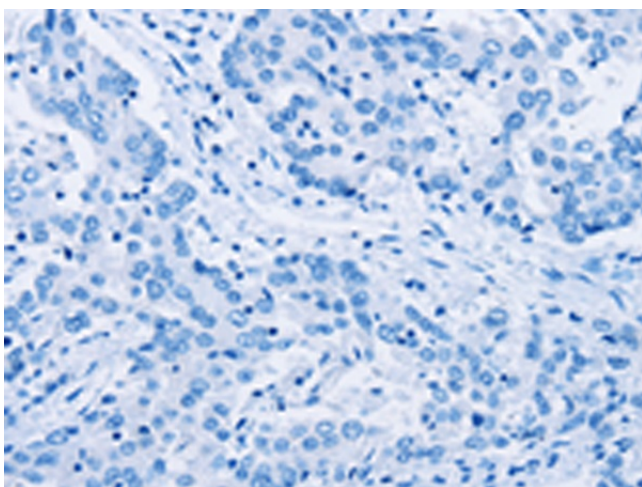
Product images:



Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: A172 cells
A375 cells
Primary antibody: TA350058 (HSD17B12 Antibody) at dilution 1/650
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 30 seconds



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350058 (HSD17B12 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350058 (HSD17B12 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)