

Anti-DHRS11 Antibody

Catalog # AP60664

Product Information

Application	WB, IHC
Primary Accession	Q6UWP2
Reactivity	Human, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28308

Additional Information

Gene ID	79154
Other Names	Dehydrogenase/reductase SDR family member 11
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DHRS11. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	DHRS11
Synonyms	SDR24C1 {ECO:0000303 PubMed:19027726}
Function	Catalyzes the conversion of the 17-keto group of estrone, 4- and 5-androstenes and 5-alpha-androstanes into their 17-beta- hydroxyl metabolites and the conversion of the 3-keto group of 3-, 3,17- and 3,20-diketosteroids into their 3beta-hydroxyl metabolites. Exhibits reductive 3-beta-hydroxysteroid dehydrogenase activity toward 5-beta-androstanes, 5-beta-pregnanes, 4-pregnenes and bile acids (PubMed: 26920053). May contribute to the metabolism of adrenal-derived androgen precursors. Reduces 11-keto-4-androstene-3,17-dione (11KA4) and 11-keto-5alpha-androstane-3,17-dione (11K-Adione) into potent androgens 11-ketotestosterone (11KT) and 11-ketodihydrotestosterone (11KDHT), respectively (PubMed: 31926269). May also reduce endogenous and exogenous alpha-dicarbonyl compounds and xenobiotic alicyclic ketones (PubMed: 26920053).

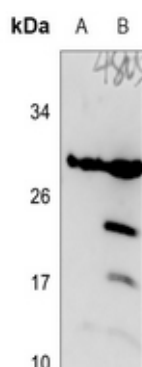
Cellular Location

Secreted.

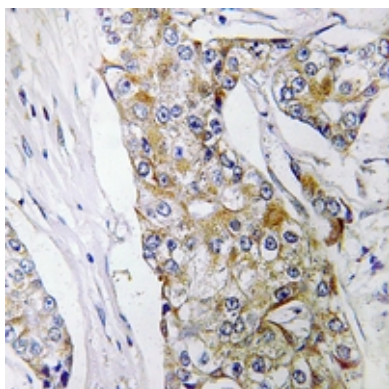
Tissue Location

Isoform 1: Ubiquitously expressed, with highest levels in testis, small intestine, colon, kidney, brain and heart
Isoform 3: Expressed in brain, heart and skeletal muscle

Images



Western blot analysis of DHR511 expression in rat liver (A), rat kidney (B) whole cell lysates. (Predicted band size: 28 kD; Observed band size: 28; 20 kD)



Immunohistochemical analysis of DHR511 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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