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3β-HSD7 Polyclonal Antibody

Catalog # AP68198

Product Information

Application	WB, E
Primary Accession	Q9H2F3
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41016

Additional Information

Gene ID	80270
Other Names	HSD3B7; 3 beta-hydroxysteroid dehydrogenase type 7; 3 beta-hydroxysteroid dehydrogenase type VII; 3-beta-HSD VII; 3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase; C(27) 3-beta-HSD; Cholest-5-ene-3-beta; 7-alpha-diol 3-beta-dehydrogenase
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

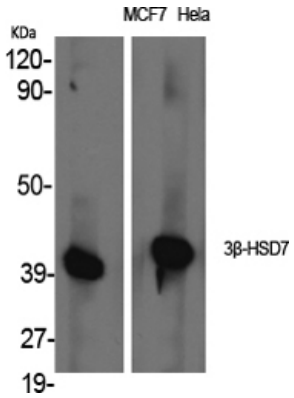
Protein Information

Name	HSD3B7 (HGNC:18324)
Function	The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis (PubMed:11067870). Plays a key role in cell positioning and movement in lymphoid tissues by mediating degradation of 7-alpha,25- dihydroxycholesterol (7-alpha,25-OHC): 7-alpha,25-OHC acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells (By similarity).
Cellular Location	Endoplasmic reticulum membrane; Multi-pass membrane protein

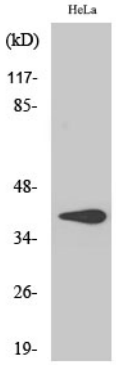
Background

The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis (PubMed:11067870). Plays a key role in cell positioning and movement in lymphoid tissues by mediating degradation of 7-alpha,25-dihydroxycholesterol (7- alpha,25-OHC): 7-alpha,25-OHC acts as a ligand for the G protein- coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells.

Images



Western Blot analysis of various cells using 3β-HSD7 Polyclonal Antibody diluted at 1：1000



Western Blot analysis of COLO205 cells using 3β-HSD7 Polyclonal Antibody diluted at 1：1000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.