



3 β -HSD7 rabbit pAb

Cat No.:ES1548

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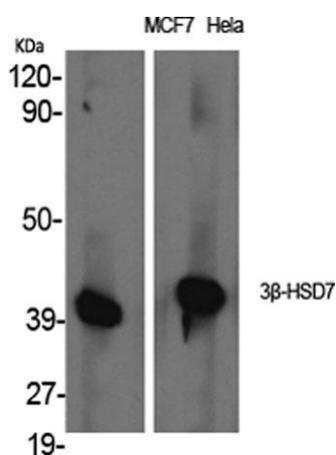
Overview

Product Name	3 β -HSD7 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HSD3B7. AA range:121-170
Specificity	3 β -HSD7 Polyclonal Antibody detects endogenous levels of 3 β -HSD7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	3 beta-hydroxysteroid dehydrogenase type 7
Gene Name	HSD3B7
Cellular localization	Endoplasmic reticulum membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	41kD
Human Gene ID	80270
Human Swiss-Prot Number	Q9H2F3
Alternative 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
Background	This gene encodes an enzyme which is involved in

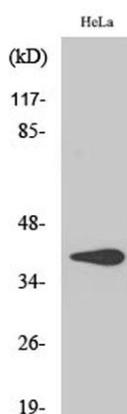




the initial stages of the synthesis of bile acids from cholesterol and a member of the short-chain dehydrogenase/reductase superfamily. The encoded protein is a membrane-associated endoplasmic reticulum protein which is active against 7-alpha hydroxylated sterol substrates. Mutations in this gene are associated with a congenital bile acid synthesis defect which leads to neonatal cholestasis, a form of progressive liver disease. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008],



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

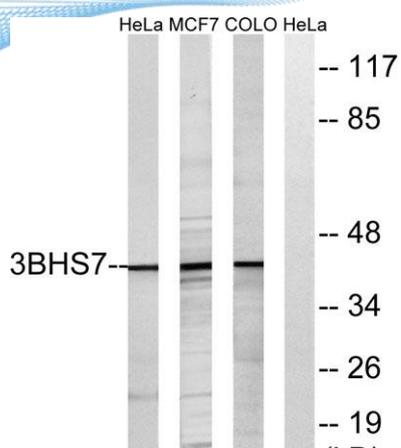


Western Blot analysis of COLO205 cells using 3 β -HSD7 Polyclonal Antibody diluted at 1:1000

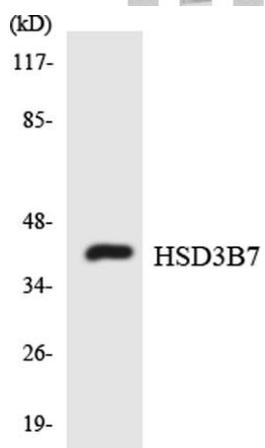




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Western blot analysis of lysates from HeLa, MCF-7, and COLO cells, using HSD3B7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using HSD3B7 antibody.



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