

ARG58795 anti-17 beta HSD 4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes 17 beta HSD 4
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	17 beta HSD 4
Species	Human
Immunogen	Recombinant protein corresponding to D510-L736 of Human 17 beta HSD 4.
Conjugation	Un-conjugated
Alternate Names	EC 1.1.1.n12; Multifunctional protein 2; Peroxisomal multifunctional enzyme type 2; SDR8C1; EC 4.2.1.107; 17-beta-HSD 4; 3R; MFE-2; PRLTS1; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase; Short chain dehydrogenase/reductase family 8C member 1; 17-beta-hydroxysteroid dehydrogenase 4; DBP; MPF-2; EC 4.2.1.119; D-bifunctional protein

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

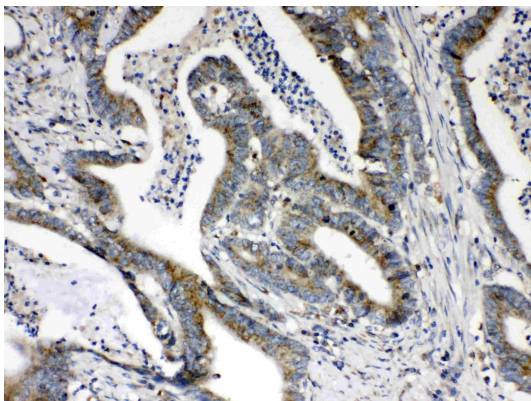
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

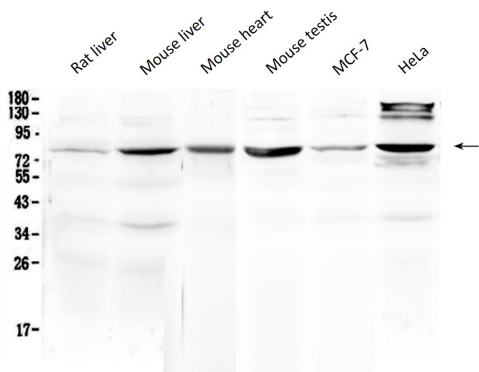
Gene Symbol	HSD17B4
Gene Full Name	hydroxysteroid (17-beta) dehydrogenase 4
Background	The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. Defects in this gene that affect the peroxisomal fatty acid beta-oxidation activity are a cause of D-bifunctional protein deficiency (DBPD). An apparent pseudogene of this gene is present on chromosome 8. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]
Function	Bifunctional enzyme acting on the peroxisomal beta-oxidation pathway for fatty acids. Catalyzes the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. [UniProt]
Calculated Mw	80 kDa
Cellular Localization	Peroxisome. [UniProt]

Images



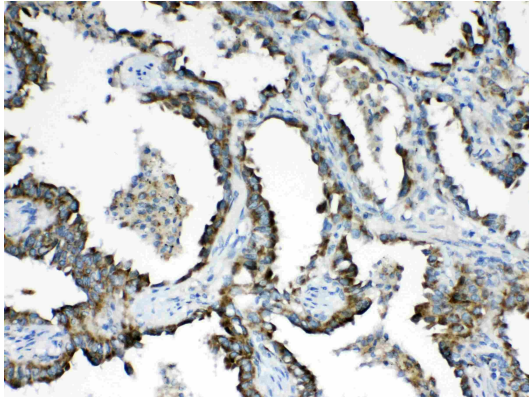
ARG58795 anti-17 beta HSD 4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissues. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58795 anti-17 beta HSD 4 antibody at 1 µg/ml, overnight at 4°C.



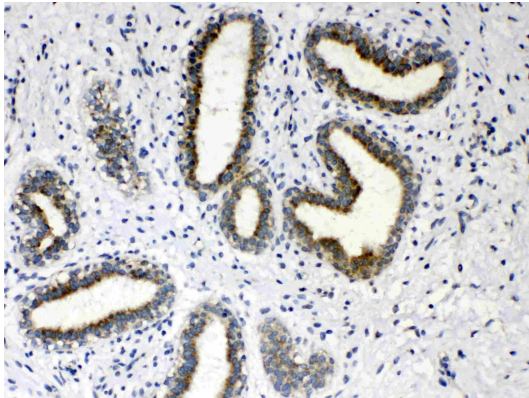
ARG58795 anti-17 beta HSD 4 antibody WB image

Western blot: 50 µg of samples under reducing conditions. Rat liver, Mouse liver, Mouse heart, Mouse testis, MCF-7 and HeLa lysates stained with ARG58795 anti-17 beta HSD 4 antibody at 0.5 µg/ml, overnight at 4°C.



ARG58795 anti-17 beta HSD 4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissues. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58795 anti-17 beta HSD 4 antibody at 1 µg/ml, overnight at 4°C.



ARG58795 anti-17 beta HSD 4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissues. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG58795 anti-17 beta HSD 4 antibody at 1 µg/ml, overnight at 4°C.