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

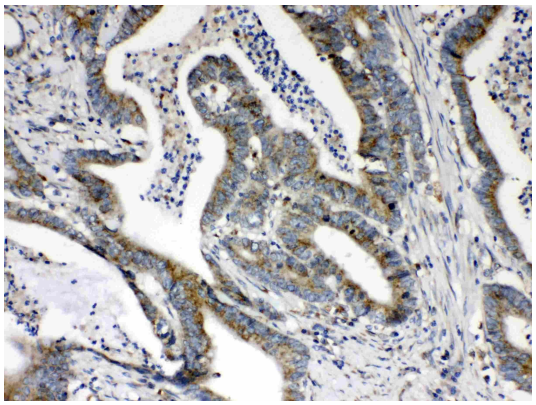
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term 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.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

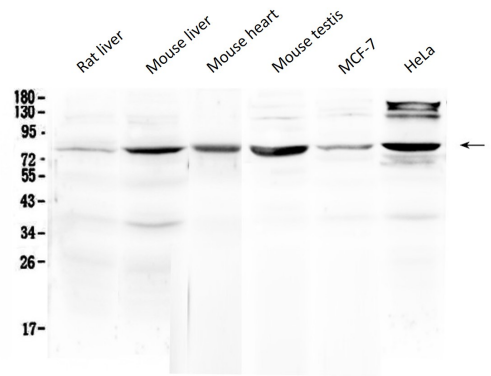
Gene Symbol	HSD17B4
Gene Full Name	hydroxysteroid (17-beta) dehydrogenase 4
Background	The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from 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



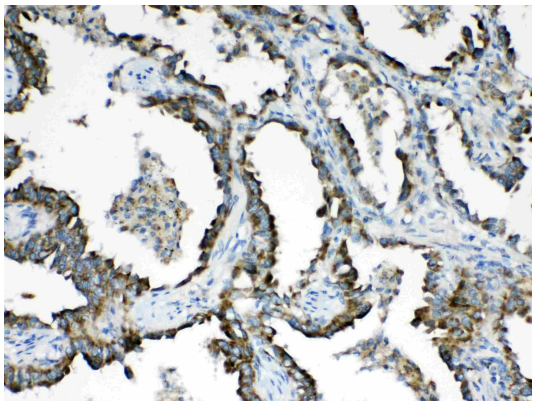
ARG58795 anti-17 beta HSD 4 antibody IHC-P image

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.



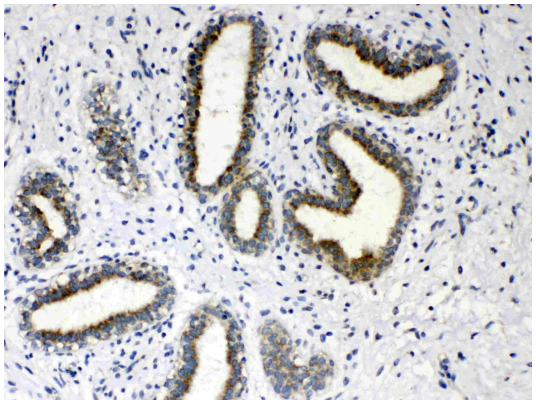
ARG58795 anti-17 beta HSD 4 antibody WB image

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.