

ERAB Polyclonal Antibody

Catalog number: 10648-1-AP

Size: 22 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

HSD17B10; 17 beta HSD 10, 17b

HSD10, ABAD, CAMR,

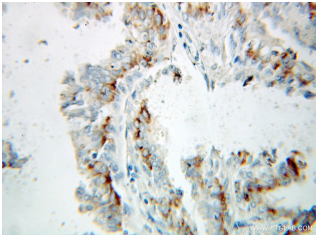
DUPXp11.22, ERAB, HADH2,

HCD2, HSD17B10, MHBD,

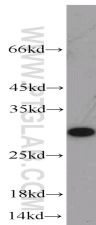
MRPP2, MRX17, MRX31,

MRXS10, SCHAD, SDR5C1,

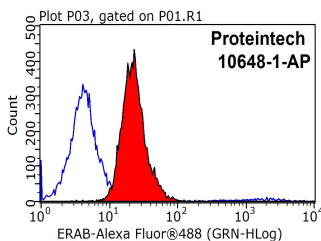
Type II HADH, XH98G2



Immunohistochemical of paraffin-embedded human breast cancer using 10648-1-AP (HSD17B10 antibody) at dilution of 1:100 (under 10x lens)



HeLa cells were subjected to SDS PAGE followed by western blot with 10648-1-AP (HSD17B10 antibody) at dilution of 1:1000



1X10⁶ MCF-7 cells were stained with 0.2µg HSD17B10 antibody (10648-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

Background

HSD17B10 (3-hydroxyacyl-CoA dehydrogenase type-2) is a multifunctional mitochondrial enzyme that acts on a wide spectrum of substrates, including neuroactive steroids, alcohols, leucine, and fatty acids, with a preference for short-chain methyl-branched acyl-CoAs (PMID:15860413). It has 2 isoforms produced by alternative splicing. Defects in HSD17B10 are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD deficiency) and mental retardation syndromic X-linked type 10 (MRXS10).

Applications

Tested applications:	ELISA, WB, IHC, FC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated ERAB MW:	26 kDa
Observed ERAB MW:	27 kDa
Positive WB detected in	HeLa cells, A2780 cells, human brain tissue, human liver tissue, mouse liver tissue, Transfected cells, Transfected HEK-293 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human breast cancer tissue
Positive FC detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 FC: N/A

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag1020
GenBank accession number:	BC008708
Gene ID (NCBI):	3028
Full name:	Hydroxysteroid (17-beta) dehydrogenase 10

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

