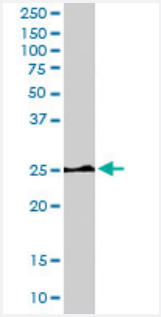
HSD17B10 polyclonal antibody

Catalog # PAB6724 Size 100 ug

Applications



Western Blot (Tissue lysate)

HSD17B10 polyclonal antibody (Cat # PAB6724) staining (0.3 ug/mL) of human brain lysate (RIPA buffer, 30 ug total protein per lane).
Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of HSD17B10.
Immunogen	A synthetic peptide corresponding to human HSD17B10.
Sequence	CIRLDGAIRMQP
Host	Goat
Theoretical MW (kDa)	26.9, 26
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) Western Blot (0.3-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — HSD17B10

Entrez GeneID	3028
Protein Accession#	NP_004484
Gene Name	HSD17B10
Gene Alias	17b-HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, MHBD, MRPP2, MRX17, M RX31, MRXS10, SCHAD, SDR5C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 10
Omim ID	300256 300438
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehyd rogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the o xidation of a wide variety of fatty acids, alcohols, and steroids. The protein has been implicated in the development of Alzheimer's disease, and mutations in the gene are the cause of 2-methyl-3-h ydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Several alternatively spliced transcript vari ants have been identified, but the full-length nature of only two transcript variants has been determi ned. [provided by RefSeq
Other Designations	17-beta-hydroxysteroid dehydrogenase type 10|3-hydroxy-2-methylbutyryl-CoA dehydrogenase|A B-binding alcohol dehydrogenase|OTTHUMP00000023348|OTTHUMP00000023349|amyloid-be ta binding polypeptide|amyloid-beta peptide binding alcohol dehydrogenase|mental reta

Publication Reference

- A human brain L-3-hydroxyacyl-coenzyme A dehydrogenase is identical to an amyloid beta-peptide-binding protein involved in Alzheimer's disease.

  He XY, Schulz H, Yang SY.

  The Journal of Biological Chemistry 1998 Apr; 273(17):10741.

Pathway

- Metabolic pathways
- Valine