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ABAD Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6307b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6IBS9
Other Accession	O70351, O08756, Q99714, O02691
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB6481
Antigen Region	199-235

Additional Information

Other Names	hydroxyacyl-Coenzyme A dehydrogenase, type II isoform 1; 3-hydroxyacyl-CoA dehydrogenase type II; Type II HADH; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; Endoplasmic reticulum-associated amyloid beta-peptide binding protein; Short-chain type dehydrogenase/reductase XH98G2 ; ERAB, HSD17B10, SCHAD; HADH2 protein
Target/Specificity	This ABAD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 199-235 amino acids from the C-terminal region of human ABAD.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ABAD Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

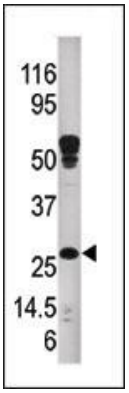
Amyloid b-peptide-binding alcohol dehydrogenase (ABAD) is a member of the family of short chain

dehydrogenase/reductases; unique among this family, it binds amyloid b-peptide and exhibits enzymatic activity toward a wide variety of substrates including linear alcohols. In an amyloid beta-abundant environment, ABAD appears to trigger cell stress induced by the amyloid peptide.

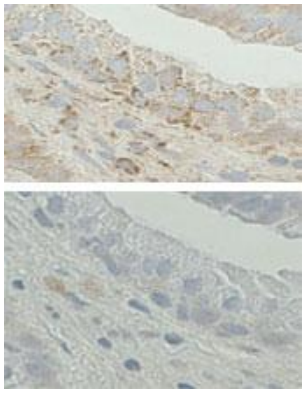
References

FASEB J. 19 (6), 597-598 (2005) J. Mol. Biol. 342 (3), 943-952 (2004) Science 304 (5669), 448-452 (2004) FEBS Lett. 451 (3), 238-242 (1999) J. Biol. Chem. 274 (21), 15014-15019 (1999)

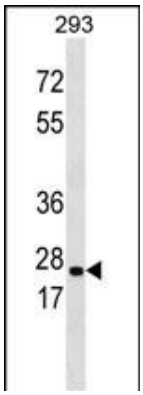
Images



Western blot analysis of anti-ABAD Pab (Cat. #AP6307b) in mouse kidney tissue lysate.ABAD(arrow) was detected using the purified Pab.



Immunohistochemistry on Formalin-fixed and paraffin-embedded human prostate tissue. (Top)Coloration with the Anti-ABAD antibody at a 1:20 concentration. (Bottom)Antibody adsorbed to the antigen (peptide), negative control.Disappearance of cytoplasmic staining indicating the antibody is specific. Data and protocol courtesy of Marie-Hélène Levesque, Centre de Recherche du CHUL, Canada.



ABAD Antibody (C214) (Cat. #AP6307b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the ABAD antibody detected the ABAD protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.