10320 Camino Santa Fe, Suite G
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ABAD Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6307b

Specification

ABAD Antibody (C-term) - Product Information

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

ABAD Antibody (C-term) - 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~~1:50~100

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.

ABAD Antibody (C-term) - Protein Information

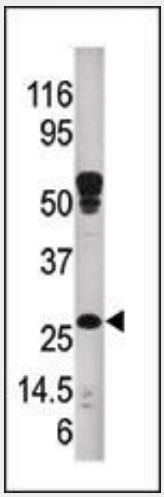
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ABAD Antibody (C-term) - Protocols

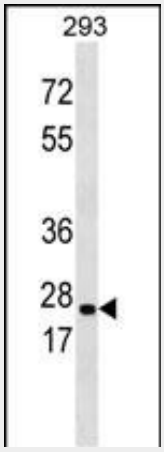
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ABAD Antibody (C-term) - Images

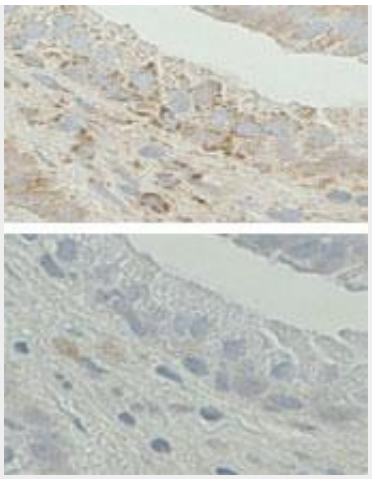


Western blot analysis of anti-ABAD Pab (Cat. #AP6307b) in mouse kidney tissue lysate.ABAD(arrow) was detected using the purified Pab.



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).

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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 (C-term) - 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.

ABAD Antibody (C-term) - 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)