

Product datasheet

Anti-ACBD3 antibody ab237543

3 Images

Overview

Product name	Anti-ACBD3 antibody
Description	Rabbit polyclonal to ACBD3
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human ACBD3 aa 263-366. Sequence:</p> <p>AQQYPGNYEQQILIRQLQE QHYQQYMQQLYQVQLAQ QQAALQKQQE VVV AGSSLPTSSKVNATVPSNMMSVNGQAKTHTDSSEKE LEPEAAEEALENGP KESL</p> <p>Database link: Q9H3P7</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	IHC-P: Human appendix and prostate tissues. ICC/IF: HeLa cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.40 Preservative: 0.03% Proclin Constituents: 50% Glycerol, PBS</p>
Purity	Protein G purified
Purification notes	Purity greater than 95%.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab237543** in the following tested applications.

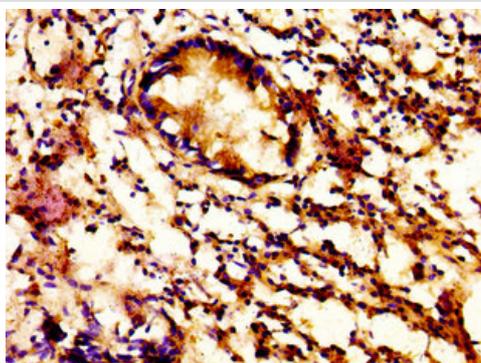
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/50 - 1/200.
IHC-P		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function	Involved in the maintenance of Golgi structure by interacting with giantin, affecting protein transport between the endoplasmic reticulum and Golgi. Involved in hormone-induced steroid biosynthesis in testicular Leydig cells.
Tissue specificity	Ubiquitous, with highest expression in testis and ovary.
Sequence similarities	Contains 1 ACB (acyl-CoA-binding) domain. Contains 1 GOLD domain.
Domain	The GOLD domain is essential for giantin binding.
Cellular localization	Golgi apparatus membrane. Mitochondrion. Also mitochondrial (via its interaction with PBR).

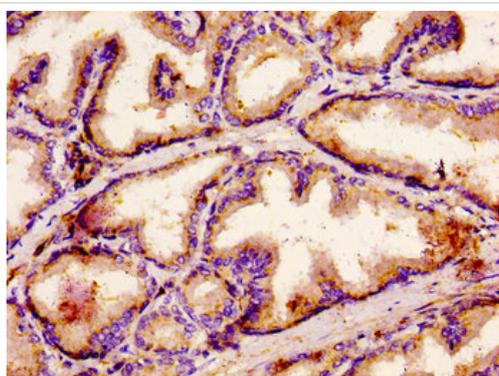
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACBD3 antibody (ab237543)

Paraffin-embedded human appendix tissue stained for ACBD3 using ab237543 at 1/500 dilution in immunohistochemical analysis.

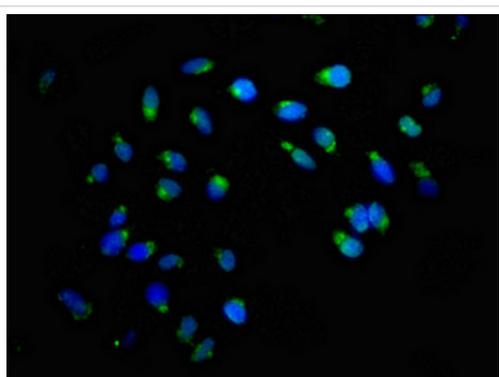
After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ACBD3 antibody (ab237543)

Paraffin-embedded human prostate tissue stained for ACBD3 using ab237543 at 1/500 dilution in immunohistochemical analysis.

After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunocytochemistry/ Immunofluorescence - Anti-ACBD3 antibody (ab237543)

HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for ACBD3 (green) using ab237543 at 1/100 dilution in ICC/IF, followed by Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L) secondary antibody.

The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C.

Counterstained with DAPI.

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