




Product datasheet

Anti-AC3 antibody ab125093

[11 References](#) [3 Images](#)

Overview

Product name	Anti-AC3 antibody
Description	Rabbit polyclonal to AC3
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-FrFI
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse, Chinese hamster 
Immunogen	Synthetic peptide corresponding to Rat AC3 aa 1100-1200 (C terminal) conjugated to keyhole limpet haemocyanin (Cysteine residue). Database link: P21932 <div>  Run BLAST with  Run BLAST with </div>
Positive control	Rat olfactory epithelium and frontal cortex lysates; Mixed neuron-glia cultures.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125093 in the following tested applications.

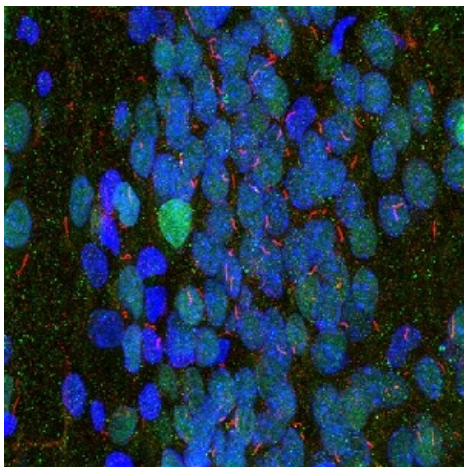
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000 - 1/10000. Detects a band of approximately 160-200 kDa (predicted molecular weight: 129 kDa).
ICC/IF		1/500 - 1/1000.
IHC-FrFI		1/10000.

Target

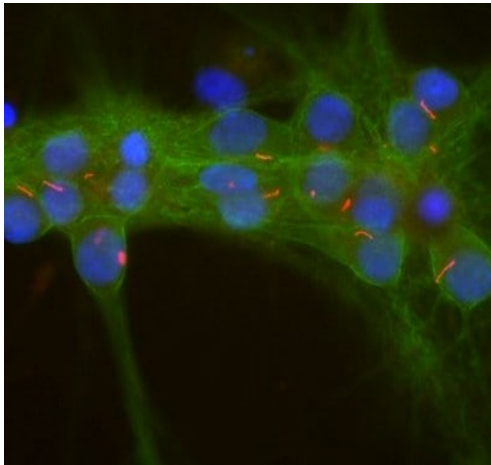
Function	Mediates odorant detection (possibly) via modulation of intracellular cAMP concentration.
Tissue specificity	Expressed in brain, heart, kidney, liver, lung, pancreas, placenta, and skeletal muscle.
Sequence similarities	Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 2 guanylate cyclase domains.
Cellular localization	Membrane.

Images



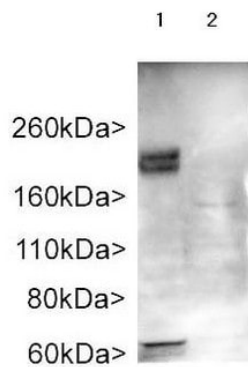
Free floating immunohistochemistry of rat hippocampus stained with ab125093 at 1/10000 staining AC3 (red). A mouse antibody staining MECP2 (green), DNA is revealed with DAPI (blue).

Immunohistochemistry - Free Floating - Anti-AC3 antibody (ab125093)



Immunocytochemistry/ Immunofluorescence - Anti-AC3 antibody (ab125093)

ab125093, at 1/500, staining AC3 in mixed neuron-glia cultures by Immunofluorescence (red). A mouse monoclonal antibody staining of all-spectrin (green) is also shown.



Western blot - Anti-AC3 antibody (ab125093)

All lanes : Anti-AC3 antibody (ab125093) at 1/5000 dilution

Lane 1 : Rat olfactory epithelium lysate

Lane 2 : Rat frontal cortex lysate

Predicted band size: 129 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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