

# Ambra1 Rabbit pAb

Catalog No.: A1083 **1 Publications**

## Basic Information

### Observed MW

130-150kDa

### Calculated MW

143kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## Background

Enables GTPase binding activity and ubiquitin protein ligase binding activity. Involved in macroautophagy; positive regulation of phosphatidylinositol 3-kinase activity; and response to mitochondrial depolarisation. Located in cytosol. Colocalizes with mitochondrion. Biomarker of multiple system atrophy.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200

## Immunogen Information

### Gene ID

55626

### Swiss Prot

Q9C0C7

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1109-1208 of human Ambra1 (NP\_060219.2).

### Synonyms

DCAF3; WDR94; Ambra1

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

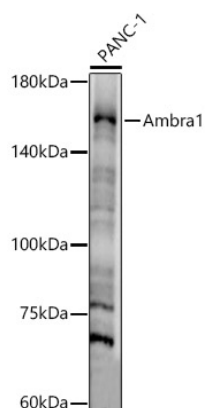
Affinity purification

### Storage

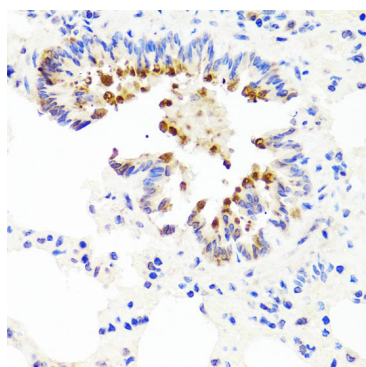
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

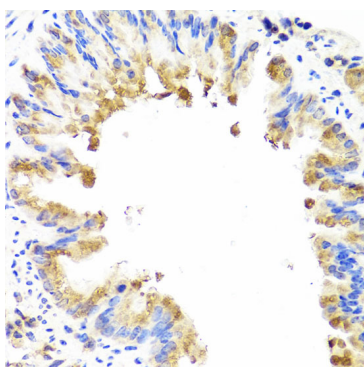
## Validation Data



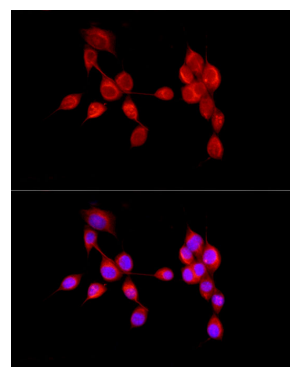
Western blot analysis of PANC-1, using Ambra1 antibody (A1083) at 1:800 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Enhanced Kit (RM00021).  
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded rat lung using AMBRA1 antibody (A1083) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse lung using AMBRA1 antibody (A1083) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of NIH/3T3 cells using Ambra1 Rabbit pAb (A1083) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.