

# AMBRA1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1826a

# **Specification**

#### AMBRA1 Antibody (N-term) - Product Information

Application WB, IHC-P,E Primary Accession Q9C0C7 A2AH22 Other Accession Reactivity Human Predicted Mouse Host Rabbit Clonality **Polyclonal** Isotype Rabbit Ia Calculated MW 142507 Antigen Region 27-55

AMBRA1 Antibody (N-term) - Additional Information

#### Gene ID 55626

## **Other Names**

Activating molecule in BECN1-regulated autophagy protein 1, AMBRA1, KIAA1736

## Target/Specificity

This AMBRA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 27-55 amino acids from the N-terminal region of human AMBRA1.

# **Dilution**

WB~~1:1000 IHC-P~~1:10~50

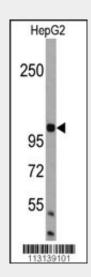
#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

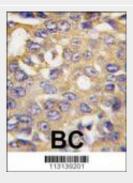
#### **Storage**

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**



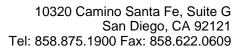
Western blot analysis of AMBRA1 Antibody (N-term) in HepG2 cell line lysates (35ug/lane). AMBRA1(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with AMBRA1 antibody (N-term) (Cat.#AP1826a), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

## AMBRA1 Antibody (N-term) - Background

AMBRA1 regulates autophagy and development of the nervous system. This protein is involved in autophagy in controlling





AMBRA1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AMBRA1 Antibody (N-term) - Protein Information

Name AMBRA1

Synonyms KIAA1736

## **Function**

Regulates autophagy and development of the nervous system. Involved in autophagy in controlling protein turnover during neuronal development, and in regulating normal cell survival and proliferation (By similarity).

## **Cellular Location**

Cytoplasmic vesicle, autophagosome. Note=Localizes also to discrete punctae along the ciliary axoneme

# AMBRA1 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cvtometv
- Cell Culture

protein turnover during neuronal development, and in regulating normal cell survival and proliferation.

# AMBRA1 Antibody (N-term) - References

Maria Fimia G., Nature 447:1121-1125(2007). Nagase T., DNA Res. 7:347-355(2000). Ota T., Nat. Genet. 36:40-45(2004).