

Rabbit Anti-AMBRA1/AF350 Conjugated antibody

SL3830R-AF350

Product Name	Anti-AMBRA1/AF350
Chinese Name	AF350 标记的自噬相关基因 AMBRA1 抗体
Alias	Activating molecule in beclin 1 regulated autophagy; Activating molecule in BECN1 regulated autophagy protein 1; Hypothetical protein FLJ20294; Hypothetical protein LOC55626; KIAA1736; MGC33725; WDR94; AMRA1_HUMAN.
Research Area	Tumour Cardiovascular Cell biology immunology Developmental biology Neurobiology Bacteria and viruses
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Rat(predicted:Human,Mouse,Chicken,Dog,Horse,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	143kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human AMBRA1 N-terminus
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: AMBRA1 regulates autophagy and development of the nervous system. It is a large, previously unknown protein bearing a WD40 domain at its amino

terminus, regulates autophagy and has a crucial role in embryogenesis. AMBRA1 is a positive regulator of the Becn1-dependent programme of autophagy, as revealed by its overexpression and by RNA interference experiments invitro. Notably, AMBRA1 functional deficiency in mouse embryos leads to severe neural tube defects associated with autophagy impairment, accumulation of ubiquitinated proteins, unbalanced cell proliferation and excessive apoptotic cell death.

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.

Subunit:

Interacts with BECN1. Probably forms a complex with BECN1 and PIK3C3.

Subcellular Location:

Cytoplasmic vesicle, autophagosome.

Similarity:

Contains 3 WD repeats.

Database links:

[Entrez Gene: 55626](#) Human

[Entrez Gene: 228361](#) Mouse

[Omim: 611359](#) Human

[SwissProt: Q9C0C7](#) Human

[SwissProt: A2AH22](#) Mouse

[Unigene: 654644](#) Human

[Unigene: 436667](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.