SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-AMBRA1/AF647 Conjugated antibody

Catalog Number: SL3830R-AF647

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-AMBRA1/AF647
Immunogen:	KLH conjugated synthetic peptide derived from human AMBRA1 N-terminus
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Chicken,Dog,Horse,Rabbit)
Background:	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.

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

	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.