

Rabbit anti-Human, Mouse Ambra1 Polyclonal Antibody | anti-AMBRA1 antibody

Ambra1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39900	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

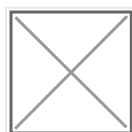
PRODUCT SYNONYMS

Ambra1; Polyclonal Antibody; Ambra1 Antibody; DCAF3; WDR94; KIAA1736; Activating molecule in BECN1-regulated autophagy protein 1; autophagy/beclin-1 regulator 1; anti-AMBRA1 antibody

PRODUCT SPECIFICATIONS

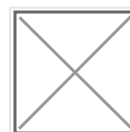
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Ambra1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1298
Applicable Applications for anti-AMBRA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Ambra1 antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human Ambra1.
Buffer	Ambra1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Ambra1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of Ambra1 in Human Brain cells with Ambra1 antibody at 20 µg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of Ambra1 in human brain with Ambra1 antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of Ambra1 in rat brain tissue lysate with Ambra1 antibody at 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-AMBRA1 antibody	Ambra1 Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. Beclin-1, a principal regulator of autophagosome formation, is in turn regulated by Ambra1. Ambra1 associates with Beclin-1 through a region near its center as determined by yeast two-hybrid assay. Null mutations in this gene in mice resulted in embryonic lethality with severe neural tube defects associated with autophagy impairment, accumulation of ubiquitinated proteins, unbalanced cell proliferation and excessive apoptotic death. Furthermore, down-regulation of Ambra1 in cultured cells though RNA interference decreased the level of rapamycin- and nutrient starvation-induced autophagy. Multiple isoforms of Ambra1 are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166215833
NCBI GeneID	55626
UniProt Accession #	Q9C0C7; Q86XD6; Q9H8Z0; Q9NXE7; A6XN33; D3DQP8; G3V193
Molecular Weight	84,428 Da
NCBI Official Full Name	Activating molecule in BECN1-regulated autophagy protein 1
NCBI Official Synonym Full Names	autophagy/beclin-1 regulator 1
NCBI Official Symbol	AMBRA1
NCBI Official Synonym Symbols	DCAF3; WDR94
NCBI Protein Information	activating molecule in BECN1-regulated autophagy protein 1; WD repeat domain 94; DDB1 and CUL4 associated factor 3; activating molecule in beclin-1-regulated autophagy
UniProt Protein Name	Activating molecule in BECN1-regulated autophagy protein 1
UniProt Gene Name	AMBRA1
UniProt Synonym Gene Names	KIAA1736
UniProt Entry Name	AMRA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ambra1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/39900>