

Rabbit Ambra1 Polyclonal Antibody | anti-Ambra1 antibody

Ambra1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303679	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

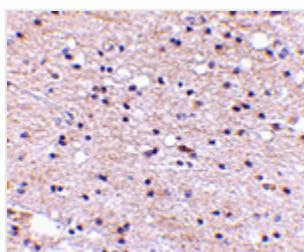
PRODUCT SYNONYMS

Ambra1; Polyclonal Antibody; Ambra1 Antibody; Activating molecule in beclin-1-regulated autophagy; WDR94; anti-Ambra1 antibody

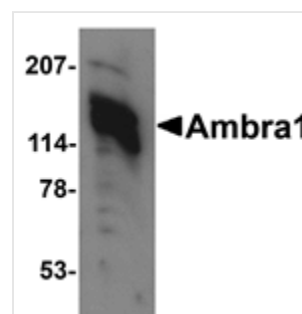
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	1301
Applicable Applications for anti-Ambra1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 15 amino acid peptide from near the carboxy terminus of human Ambra1.
Target Name	Ambra1
Preparation and Storage	Can be stored at -20 degree C, stable for 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



IHC (Immunohistochemistry)
Immunohistochemistry of Ambra1 in human brain with Ambra1 antibody at 5 ug/mL.



WB (Western Blot)
Western blot analysis of Ambra1 in 3T3 cell lysate with Ambra1 antibody at 1 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-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 through RNA interference decreased the level of rapamycin- and nutrient starvation-induced autophagy. Multiple isoforms of Ambra1 are known to exist.
Product Categories/Family for anti-Ambra1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	392306969
NCBI GeneID	55626
NCBI Accession #	NP_001254711.1
NCBI GenBank Nucleotide #	NM_001267782.1
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 isoform 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
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-immunohistochemistry-western-blot-elisa/303679>