Rabbit AMBRA1 Polyclonal Antibody | anti-AMBRA1 antibody

AMBRA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326009	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

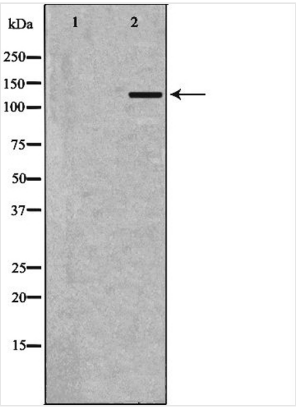
PRODUCT SYNONYMS

AMBRA1; Polyclonal Antibody; AMBRA1 Antibody; Activating molecule in beclin 1 regulated autophagy; Activating molecule in BECN1 regulated autophagy protein 1; Activating molecule in BECN1-regulated autophagy protein 1; Ambra1; AMRA1_HUMAN; FLJ20294; Hypothetical protein FLJ20294; Hypothetical protein LOC55626; KIAA1736; MGC33725; WDR94; anti-AMBRA1 antibody

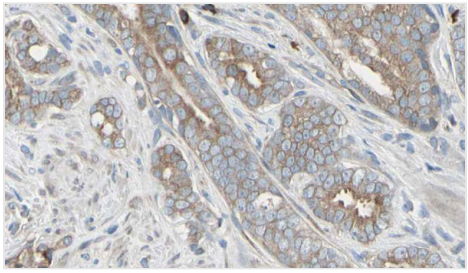
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	AMBRA1 antibody detects endogenous levels of total AMBRA1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1301
Applicable Applications for anti-AMBRA1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AMBRA1
Subcellular Location	Cytoplasmic Vesicle > Autophagosome.
Predicted Cross Reactivity	**Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus**
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of MCF7 using AMBRA1 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)
AAA326009 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-AMBRA1 antibody	Description: WD-repeats are motifs that are found in a variety of proteins and are characterized by a conserved core of 40-60 amino acids that commonly form a tertiary propeller structure. While proteins that contain WD-repeats participate in a wide range of cellular functions, they are generally involved in regulatory mechanisms concerning chromatin assembly, cell cycle control, signal transduction, RNA processing, apoptosis and vesicular trafficking. AMBRA1 (Activating molecule in BECN1-regulated autophagy protein 1), also known as WDR94 or KIAA1736, is a 1, 298 amino acid protein that contains three WD repeats. Localized to cytoplasmic vesicles, AMBRA1 functions to control protein turnover, cell proliferation and cell survival during neuronal development, thereby playing an important role in autophagy and the development of the nervous system. Multiple isoforms of AMBRA1 exist due to alternative spicing events. 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). Subunit Structure: Interacts with BECN1. Probably forms a complex with BECN1 and PIK3C3 (By similarity). Interacts with BECN2.

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	Observed: 133 kDa Predicted: 143 kDa
NCBI Official Full Name	activating molecule in BECN1-regulated autophagy protein 1 isoform 1
NCBI Official Synonym Full Names	autophagy and 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

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/326009