

Product Datasheet

AMBRA1 Antibody 26190002-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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26190002-0.1mg

AMBRA1 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	20mM Potassium Phosphate (pH 7.0) and 0.15M NaCl
Product Description	
Host	Rabbit
Gene ID	55626
Gene Symbol	AMBRA1
Species	Human, Rat
Reactivity Notes	Human. Cross reactivity with rat reported in customer review.
Immunogen	This antibody was made against a protein fragment from the C Terminus Region of AMBRA1.
Notes	Manufactured by SDIX's proprietary Genomic Antibody Technology [®] ; GAT FAQs . These products are available in limited quantities. Please enquire about the availability of this product before purchasing.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Immunoprecipitation use reported in customer review. Use in Rat reported in customer review. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 27123694).



Publications

Sanchez-Martin P, Lahuerta M, Viana R et al. Regulation of the autophagic PI3KC3 complex by laforin/malin E3-ubiquitin ligase, two proteins involved in Lafora disease *Biochim Biophys Acta Mol Cell Res.* 2019-11-21 [PMID: 31758957] (WB, Human)

Di Rienzo M, Antonioli M, Fusco C et al. Autophagy induction in atrophic muscle cells requires ULK1 activation by TRIM32 through unanchored K63-linked polyubiquitin chains *Sci Adv* 2019-05-01 [PMID: 31123703] (WB, KD, Human, Mouse)

Li H, Ham A, Ma TC et al. Mitochondrial dysfunction and mitophagy defect triggered by heterozygous GBA mutations *Autophagy* 2019-01-01 [PMID: 30160596] (WB, Human)

Nardella G, Visci G, Guarnieri V et al. A single-center study on 140 patients with cerebral cavernous malformations: 28 new pathogenic variants and functional characterization of a PDCD10 large deletion. *Hum. Mutat.* 2018-08-30 [PMID: 30161288] (WB, Human)

Garrison C, Lastwika K, Zhang Y et al. Proteomic Analysis, Immune Dysregulation, and Pathway Interconnections With Obesity *J Proteome Res.* 2017-01-06 [PMID: 27769113] (MiAr)

Details:

Analysis is performed on plasma proteomic data to identify how obesity can alter pathways and to highlight the risk factor for disease in subjects with a high body mass index.

Rho JH, Lampe PD. High-throughput screening for native autoantigen-autoantibody complexes using antibody microarrays *J Proteome Res.* 2013-05-03 [PMID: 23541305] (MiAr)

Details:

A novel method using antibody microarrays is used to detect autoantibody-antigen complexes that can potentially be useful for detection and characterization of diseases.

Cianfanelli V, Fuoco C, Lorente M et al. AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. *Nat Cell Biol* 2015-01-01 [PMID: 25438055] (WB)

Strappazon F, Di Rita A, Cianfanelli V et al. Prosurvival AMBRA1 turns into a proapoptotic BH3-like protein during mitochondrial apoptosis. *Autophagy.* 2016-04-28 [PMID: 27123694] (ICC/IF, WB, Human)

Chauhan S, Mandell MA, Deretic V. IRGM Governs the Core Autophagy Machinery to Conduct Antimicrobial Defense *Mol. Cell* 2015-04-15 [PMID: 25891078] (WB, Human)

Wakabayashi K, Mori F, Kakita A et al. Analysis of microRNA from archived formalin-fixed paraffin-embedded specimens of amyotrophic lateral sclerosis. *Acta Neuropathol Commun.* 2014-12-14 [PMID: 25497327] (IHC-P, Human)

Strappazon F, Nazio F, Corrado M et al. AMBRA1 is able to induce mitophagy via LC3 binding, regardless of PARKIN and p62/SQSTM1. *Cell Death Differ.* 2014-09-12 [PMID: 25215947]

Nazio F, Strappazon F, Antonioli M. mTOR inhibits autophagy by controlling ULK1 ubiquitylation, self-association and function through AMBRA1 and TRAF6 *Nat Cell Biol* 2013-04-01 [PMID: 23524951] (WB, Human)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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