

Datasheet: AHP1882

Description:	RABBIT ANTI AMBRA1 (N-TERMINAL)
Specificity:	AMBRA1 (N-TERMINAL)
Other names:	WDR94
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin (1)	■			5ug/ml
Western Blotting	■			2 - 4ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human AMBRA1 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Synthetic peptide corresponding to an 18 amino acid sequence from the amino terminus of human AMBRA1.

**External Database
Links**

UniProt:

[Q9C0C7](#)

[Related reagents](#)

Entrez Gene:

[55626](#)

AMBRA1

[Related reagents](#)

Synonyms

KIAA1736

Specificity

Rabbit anti AMBRA1 (N-Terminal) antibody recognizes human Activating molecule in beclin-1-regulated autophagy (AMBRA1), also known as WDR94.

AMBRA1 is involved in the regulation of autophagy. Research indicates that it controls protein turnover during neuronal development and in regulating normal cell survival and proliferation.

At least 5 isoforms of AMBRA have been identified.

**Histology Positive
Control Tissue**

Human brain

Western Blotting

AHP1882 detects a band of approximately 160kDa in rat brain cell lysate.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:

10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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