

Datasheet: AHP888

Description:	RABBIT ANTI HUMAN ACE2 (N-TERMINAL)
Specificity:	ACE2 (N-TERMINAL)
Other names:	ANGIOTENSIN I CONVERTING ENZYME 2
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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			

Where this antibody 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 antibody 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.

Target Species	Human
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to human ACE2 were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Synthetic peptide corresponding to a sequence within the amino terminus of human ACE2.

**External Database
Links**

UniProt:

[Q9BYF1](#)

[Related reagents](#)

Entrez Gene:

[59272](#)

ACE2

[Related reagents](#)

Specificity

Rabbit anti Human ACE2 antibody recognizes human Angiotensin-converting enzyme 2, also known as ACE2, ACE-related carboxypeptidase or Metalloprotease MPROT15. ACE2 is a 788 amino acid ~100 kDa carboxypeptidase expressed in a range of tissues including heart, kidney, testis and the gastrointestinal system.

ACE2 is a homologue of ACE (Angiotensin-converting enzyme 1), although it has a distinct catalytic activity. ACE2 catalyzes the cleavage of active angiotensin II into angiotensin 1-7, which may counteract the effects of ACE by increasing vasodilatation.

ACE2 serves as the cellular entry point for the severe acute respiratory syndrome (SARS) virus, functioning as a receptor for the SARS Spike protein ([Turner *et al.* 2004](#)).

Storage

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

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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 (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

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

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