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Datasheet for ABIN560577

anti-Angiotensin I Converting Enzyme 1 antibody (AA 592-701)

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Overview

Quantity:	100 µg
Target:	Angiotensin I Converting Enzyme 1 (ACE)
Binding Specificity:	AA 592-701
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Angiotensin I Converting Enzyme 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant ACE.
Immunogen:	ACE (AAH36375, 592 a.a. ~ 701 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	RLATAMKLGFSRPWPEAMQLITGQPNMSASAMLSYFKPLL D WLRTENELH GEKLGWPQYN WTPNSDDFYNETETKIFLQFYDQTGIWDHGA PHLLPPSQA RGTREAPVYM
Clone:	6A4
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	Angiotensin I Converting Enzyme 1 (ACE)
Alternative Name:	ACE (ACE Products)
Background:	Full Gene Name: angiotensin I converting enzyme (peptidyl-dipeptidase A) 1 Synonyms: ACE1,CD143,DCP,DCP1,MGC26566
Gene ID:	1636
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour , Smooth Muscle Cell Migration

Application Details

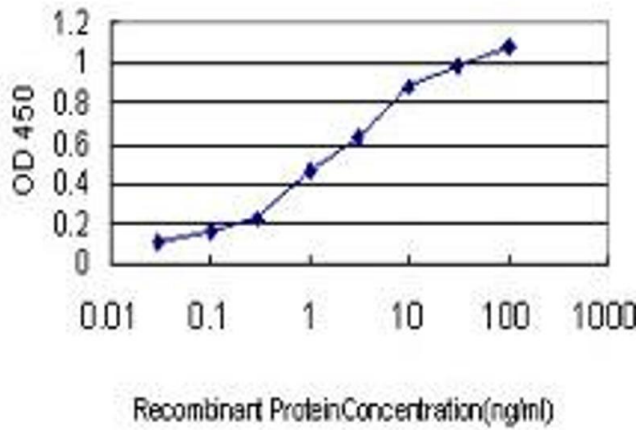
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

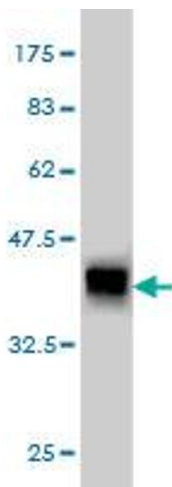
Publications

Product cited in:	<p>Cougot, Cavalier, Thomas, Gillet: "The dual organization of P-bodies revealed by immunoelectron microscopy and electron tomography." in: Journal of molecular biology, Vol. 420, Issue 1-2, pp. 17-28, (2012) (PubMed).</p> <p>Cargnello, Tcherkezian, Dorn, Huttlin, Maddox, Gygi, Roux: "Phosphorylation of the eukaryotic translation initiation factor 4E-transporter (4E-T) by c-Jun N-terminal kinase promotes stress-dependent P-body assembly." in: Molecular and cellular biology, Vol. 32, Issue 22, pp. 4572-84, (2012) (PubMed).</p> <p>Dekanty, Romero, Bertolin, Thomas, Leishman, Perez-Perri, Boccaccio, Wappner: "Drosophila genome-wide RNAi screen identifies multiple regulators of HIF-dependent transcription in hypoxia." in: PLoS genetics, Vol. 6, Issue 6, pp. e1000994, (2010) (PubMed).</p>
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ELISA

Image 1. Detection limit for recombinant GST tagged ACE is approximately 0.03ng/ml as a capture antibody.



Western Blotting

Image 2. Western Blot detection against Immunogen (37.73 KDa) .