

产品货号

AK96249

别名

Angiotensin-converting enzyme 2 (EC 3.4.17.23) (ACE-related carboxypeptidase) (Angiotensin converting enzyme homolog) (ACEH) (Metalloprotease MPROT15) [Cleaved into: Processed angiotensin-converting enzyme 2]

产品名称

ACE2 (2C1) Mouse Monoclonal Antibody

类别

抗原抗体

基因名称

ACE2 UNQ868/PRO1885

蛋白名称

ACE2

推荐应用

WB,IHC,IF

反应种属

Human,Mouse,Rat

浓度

1 mg/ml

制备方法

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope specific immunogen.

存储缓冲液

Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.

Human Gene ID

59272

Human Gene Link

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=59272>

Human Swissprot No.

Q9BYF1

Human Swissprot Link

<https://www.uniprot.org/uniprotkb/Q9BYF1/entry>

Mouse Gene ID

70008

Mouse Gene Link

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=70008>

Mouse Swissprot No.

Q8R0I0

Mouse Swissprot Link

<https://www.uniprot.org/uniprotkb/Q8R0I0/entry>

Rat Gene ID

302668

1 / 2Rat Gene Link

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=302668>

Rat Swissprot No.

Q5EGZ1

Rat Swissprot Link

<https://www.uniprot.org/uniprotkb/Q5EGZ1/entry>

特异性

This antibody detects endogenous levels of ACE2 at Human, Mouse,Rat

稀释度

WB 1:500-2000, IHC 1:50-200, IF 1:50-200

参考分子量

120-135kD

运输及保存条件

-15°C to -25°C/1 year(Do not lower than -25°C)

细胞定位

[Processed angiotensin-converting enzyme 2]: Secreted .; Cell membrane ; Single-pass type I membrane protein . Cytoplasm . Cell projection, cilium . Apical cell membrane . Detected in both cell membrane and cytoplasm in neurons. .; [Isoform 2]: Apical cell membrane .

功能

cofactor: Binds 1 chloride ion per subunit.,cofactor: Binds 1 zinc ion per subunit.,enzyme

regulation: Activated by chloride and fluoride, but not bromide. Inhibited by MLN-4760, cFP_Leu, and EDTA, but not by the ACE inhibitors lisinopril, captopril and enalaprilat., function: Carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. Also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. May be an important regulator of heart function. In case of human coronaviruses SARS and HCoV-NL63 infections, serve as functional receptor for the spike glycoprotein of both coronaviruses., induction: Up-regulated in failing heart., PTM: N-glycosylation on Asn-90 may limit SARS infectivity., similarity: Belongs to the peptidase M2 family., subunit: Interacts with ITGB1. Interacts with SARS-CoV and HCoV-NL63 spike glycoprotein., tissue specificity: Expressed in endothelial cells from small and large arteries, and in arterial smooth muscle cells. Expressed in lung alveolar epithelial cells, enterocytes of the small intestine, Leydig cells and Sertoli cells (at protein level). Expressed in heart, kidney, testis, and gastrointestinal system.,