

Product Datasheet

ACE2 Antibody (orb1410460)

Catalog Number	orb1410460
Category	Antibodies
Description	Rabbit monoclonal antibody to ACE2
Target	ACE2
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
Immunogen	Recombinant fragment (around aa705-805) of human ACE2 (exact sequence is proprietary)
UniProt ID	Q9BYF1
MW	92kDa
Tested applications	ELISA, IHC

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Specificity

Expressed in endothelial cells from small and large arteries, and in arterial smooth muscle cells (at protein level) (PubMed:15141377). Expressed in enterocytes of the small intestine, Leydig cells and Sertoli cells (at protein level) (PubMed:15141377). Expressed in the renal proximal tubule and the small intestine (at protein level) (PubMed:18424768). Expressed in heart, kidney, testis, and gastrointestinal system (at protein level) (PubMed:10969042, PubMed:10924499, PubMed:15231706, PubMed:12459472, PubMed:15671045, PubMed:32715618, PubMed:32170560). In lung, expressed at low levels in some alveolar type 2 cells, the expression seems to be individual-specific (at protein level) (PubMed:32425701, PubMed:15141377, PubMed:32715618, PubMed:32170560, PubMed:33432184). Expressed in nasal epithelial cells (at protein level) (PubMed:33432184, PubMed:32333915). Coexpressed with TMPRSS2 within some lung alveolar type 2 cells, ileal absorptive enterocytes, intestinal epithelial cells, cornea, gallbladder and nasal goblet secretory cells (PubMed:32413319, PubMed:32327758, PubMed:32358202). Coexpressed with TMPRSS4 within mature enterocytes (PubMed:32404436). | Expressed in nasal and bronchial epithelial cells (at protein level).

Antibody Type

Recombinant Antibody

Clone Number

ACE2/6788R

Expression System

CHO cells

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

Expiration Date

12 months from date of receipt.

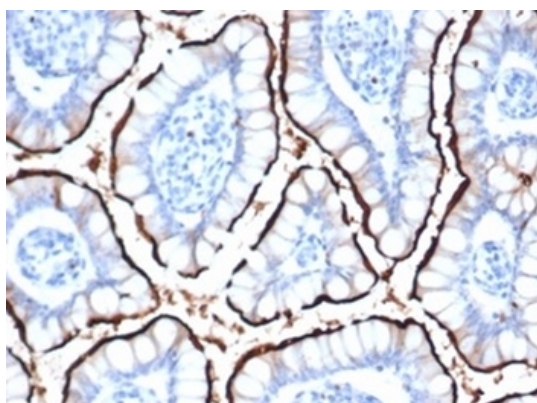
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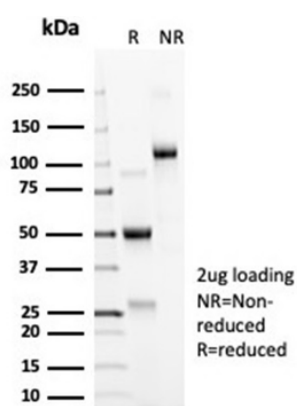
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IHC analysis of formalin-fixed, paraffin-embedded human small intestine. stained using ACE2/6788R at 2 ug/ml in PBS for 30 min RT. HIER: Tris/EDTA, pH9.0, 45 min. 2°C: HRP-polymer, 30 min. DAB, 5 min.



SDS-PAGE Analysis of Purified ACE2 / CD143 Rabbit Monoclonal Antibody (ACE2/6788R). Confirmation of Integrity and Purity of Antibody.

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