

ACE2 Recombinant Rabbit Monoclonal Antibody (SN0754)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	SN0754
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human ACE2 aa 181-230
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809589

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:5,000	4 Publications
Immunohistochemistry (IHC)	1:50-1:200	2 Publications
Immunocytochemistry (ICC/IF)	1:100-1:500	3 Publications
Flow Cytometry (Flow)	-	1 Publication

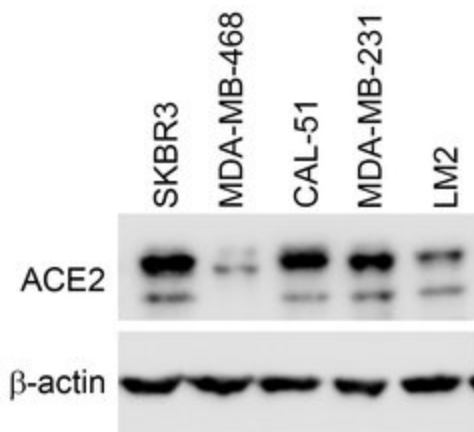
Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Advanced Verification Data

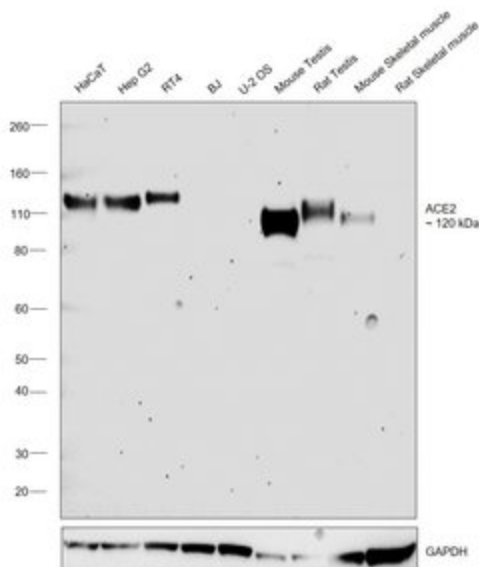
ACE2 Antibody (MA5-32307)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lysates tested owing to their inherent genetic constitution. Relative expression of ACE2 was observed in SKBR3, CAL-51 and MDA-MB-231 as compared to MDA-MB-468 and LM2 using Anti-ACE2 Monoclonal Antibody (Product # MA5-32307) in western blot. Relative expression validation info.

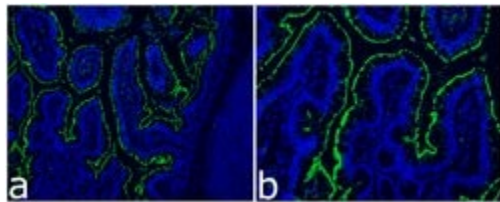


ACE2 Antibody (MA5-32307)

Antibody specificity was demonstrated by detection of differential basal expression of the target across all cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of Angiotensin-converting enzyme 2 was observed in HaCaT, Hep G2, RT4, Mouse Testis and Rat Testis but not in BJ, U-2 OS, Mouse Skeletal Muscle and Rat Skeletal Muscle which are known to have comparatively lower expression (DOI: 10.3892/mmr.2014.2266, 10.1038/s41433-020-0939-4) using Anti-ACE2 Recombinant Rabbit Monoclonal Antibody (SN0754) (Product # MA5-32307) in Western Blot. Relative expression validation info.



Product Images For ACE2 Recombinant Rabbit Monoclonal Antibody (SN0754)



ACE2 Antibody (MA5-32307) in ICC/IF

Immunocytochemistry analysis of ACE-2 (green) in Rhesus Macaques. Cells were stained with ACE2 Recombinant Rabbit Monoclonal Antibody (SN0754) (Product # MA5-32307) followed by incubation with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 488 (Product # A-11034). Nuclei were stained with DAPI. The merged image is shown. Images were taken on EVOS2 at 10X (Fig. a) and 20X (Fig. b) magnification. Data courtesy of J. Arredondo and S. Dandekar at UC Davis.

View more figures on [thermofisher.com](https://www.thermofisher.com)

10 References

Western Blot (4)

Journal of translational medicine

Dodging COVID-19 infection: low expression and localization of ACE2 and TMPRSS2 in multiple donor-derived lines of human umbilical cord-derived mesenchymal stem cells.

"Published figure using ACE2 recombinant monoclonal antibody (Product # MA5-32307) in Flow Cytometry"

Authors: Hernandez JJ,Beaty DE,Fruhwrith LL,Lopes Chaves AP,Riordan NH

Species

Not Applicable

Dilution

Not Cited

Year

2021

Frontiers in pharmacology

Tissue Distribution of ACE2 Protein in Syrian Golden Hamster (*Mesocricetus auratus*) and Its Possible Implications in SARS-CoV-2 Related Studies.

"Published figure using ACE2 recombinant monoclonal antibody (Product # MA5-32307) in Immunohistochemistry"

Authors: Suresh V,Parida D,Minz AP,Sethi M,Sahoo BS,Senapati S

Species

Not Applicable

Dilution

Not Cited

Year

2021

[View more WB references on thermofisher.com](#)

Immunohistochemistry (2)

Frontiers in pharmacology

Tissue Distribution of ACE2 Protein in Syrian Golden Hamster (*Mesocricetus auratus*) and Its Possible Implications in SARS-CoV-2 Related Studies.

"Published figure using ACE2 recombinant monoclonal antibody (Product # MA5-32307) in Immunohistochemistry"

Authors: Suresh V,Parida D,Minz AP,Sethi M,Sahoo BS,Senapati S

Species

Not Applicable

Dilution

Not Cited

Year

2021

The European respiratory journal

Elevated ACE-2 expression in the olfactory neuroepithelium: implications for anosmia and upper respiratory SARS-CoV-2 entry and replication.

"MA5-32307 was used in Immunohistochemistry to determine the location of angiotensin-converting enzyme 2(ACE-2) in human nasal and tracheal specimens."

Authors: Chen M,Shen W,Rowan NR,Kulaga H,Hillel A,Ramanathan M,Lane AP

Species

Human

Dilution

1:100

Year

2020

More applications with references on thermofisher.com

ICC/IF (3) Flow (1)

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