ARG30328
Angiogenesis Antibody Panel

Package: 1 kit
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG52756	anti-CD34 antibody [QBEND/10]	Mouse mAb	Hu, Ms, NHuPrm, Rb	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB	20 µl
ARG59471	anti-NG2 / Chondroitin sulfate proteoglycan 4 antibody	Rabbit pAb	Hu	IHC-P, WB	20 µl
ARG63621	anti-alpha smooth muscle Actin antibody	Goat pAb	Hu, Ms	ICC/IF, IHC-P, IHC-Fr, WB	20 µg
ARG21968	anti-Collagen IV antibody, pre-adsorbed	Goat pAb	Bov, Hu, Ms, Rat	EM, ELISA, FLISA, FACS, ICC/IF, IHC-P, IHC-Fr, IP, WB	20 µg

Summary

Product Description	Angiogenesis Antibody Panel is an all-in-one solution to make angiogenesis research easy and economic. This antibody panel comprises the critical markers for angiogenesis research, including endothelial marker CD34 antibody, basement membrane marker Collagen IV antibody, and mural cell markers NG2 and alpha-SMA antibodies. All the antibodies in this panel have excellent staining performance. Moreover, the different host species of the antibodies make the panel as the best choice for triple staining. It is ideal to examine the process of angiogenesis in embryos, retina, tissues, and tumor. Related news: Angiogenesis & MVD Antibody Panels are released Pericytes, new therapeutic target for Alzheimer's disease?
Target Name	Angiogenesis
Alternate Names	Angiogenesis antibody; Collagen IV antibody; CD34 antibody; NG2 / Chondroitin sulfate proteoglycan 4 antibody; alpha smooth muscle Actin antibody

Properties

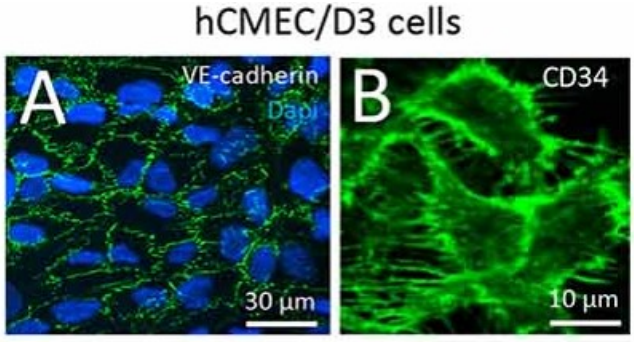
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Full Name	Antibody Panel for Angiogenesis

Highlight	Related Product: anti-CD34 antibody; anti-NG2 / Chondroitin sulfate proteoglycan 4 antibody; anti-alpha smooth muscle Actin antibody; anti-Collagen IV antibody;
Research Area	Angiogenesis; Endothelial marker; Basement membrane marker; Mural cell marker

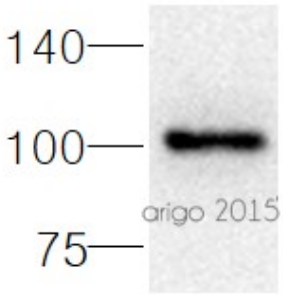
Images



ARG52756 anti-CD34 antibody [QBEND/10] ICC/IF image

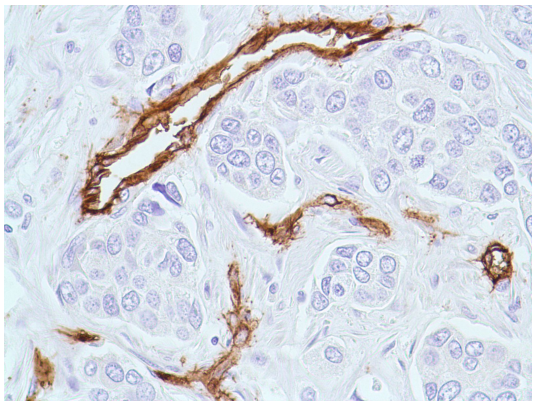
Immunofluorescence: hCMEC/D3 cells stained with ARG52756 anti-CD34 antibody [QBEND/10].

From Lucie Y Li et al. Front Cell Neurosci. (2023), doi: 10.3389/fncel.2023.1077204, Fig. 3A & B.



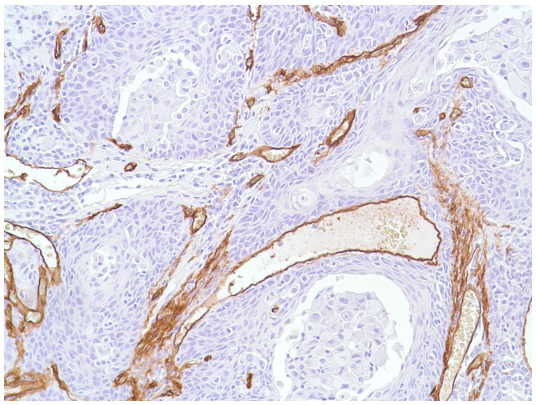
ARG52756 anti-CD34 antibody [QBEND/10] WB image

Western blot: 30 µg of mouse lung lysate stained with ARG52756 anti-CD34 antibody [QBEND/10] at 1:500 dilution.



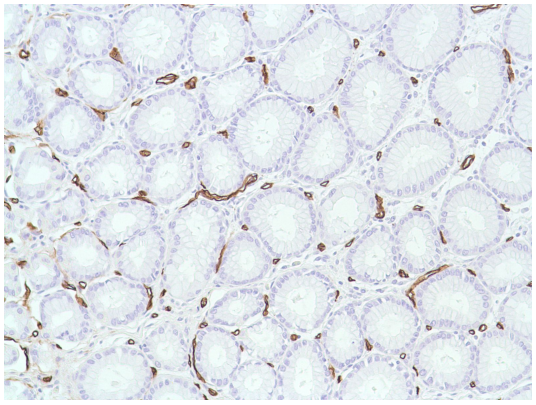
ARG52756 anti-CD34 antibody [QBEND/10] IHC-P image

Immunohistochemistry: Human Breast Ductal Carcinoma stained with CD34 (Endothelial Cell Marker) antibody [QBEnd/10] (ARG52756)



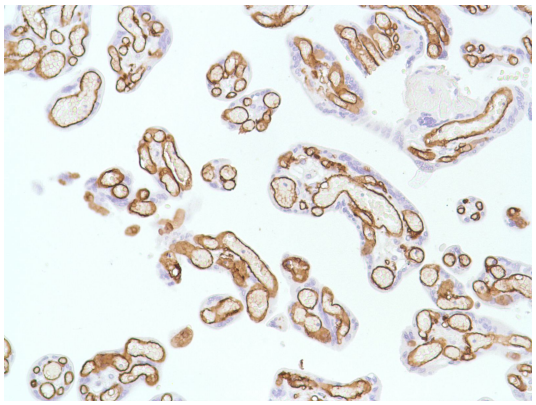
ARG52756 anti-CD34 antibody [QBEND/10] IHC-P image

Immunohistochemistry: Human Cervical Squamous Cell carcinoma stained with CD34 (Endothelial Cell Marker) antibody [QBEnd/10] (ARG52756)



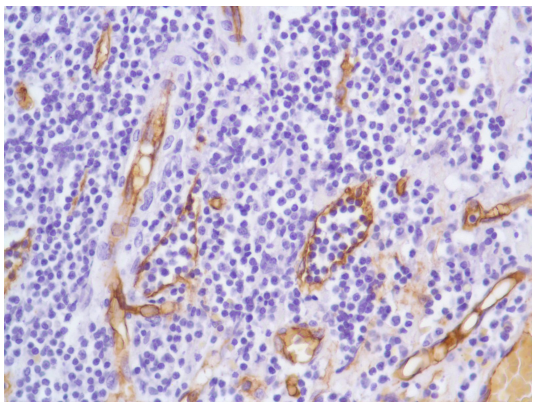
ARG52756 anti-CD34 antibody [QBEND/10] IHC-P image

Immunohistochemistry: Human Colon stained with CD34 (Endothelial Cell Marker) antibody [QBEnd/10] (ARG52756)



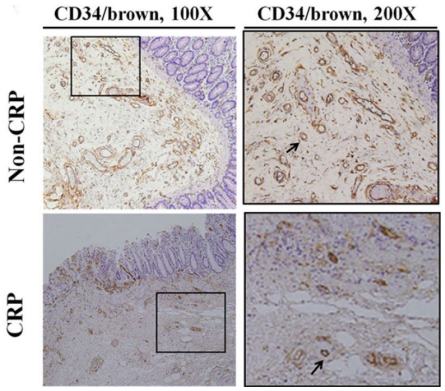
ARG52756 anti-CD34 antibody [QBEND/10] IHC-P image

Immunohistochemistry: Human Placenta stained with CD34 (Endothelial Cell Marker) antibody [QBEnd/10] (ARG52756)



ARG52756 anti-CD34 antibody [QBEND/10] IHC-P image

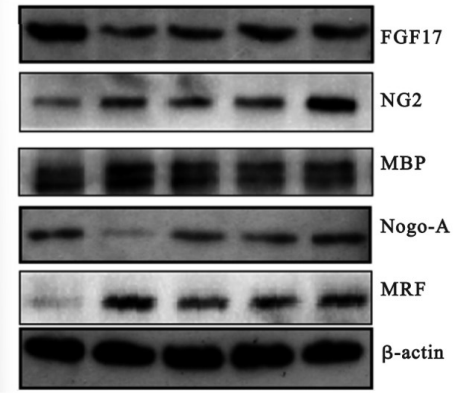
Immunohistochemistry: Human Tonsil stained with CD34 (Endothelial Cell Marker) antibody [QBEnd/10] (ARG52756)



ARG52756 anti-CD34 antibody [QBEND/10] IHC-P image

Immunohistochemistry: Human colorectal cancer stained with ARG52756 anti-CD34 antibody [QBEND/10].

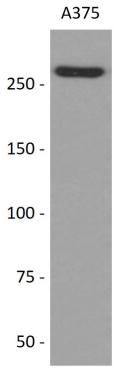
From Wu P et al. Dig Dis Sci- (2018), doi: 10.1007/s10620-017-4818-1, Fig. 3. A.



ARG59471 anti-NG2 / Chondroitin sulfate proteoglycan 4 antibody WB image

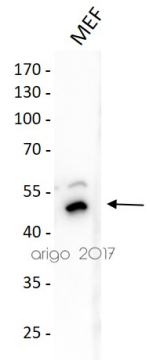
Western blot: Rat brain stained with ARG59471 anti-NG2 / Chondroitin sulfate proteoglycan 4 antibody and ARG10722 anti-Myelin Basic Protein antibody [7D2].

From LIU Liwei et al. Chin Pediatr Integr Tradit West Med (2025), doi: 10.20274/j.cnki.issn.1674-3865.2025.01.006, Fig. 3.



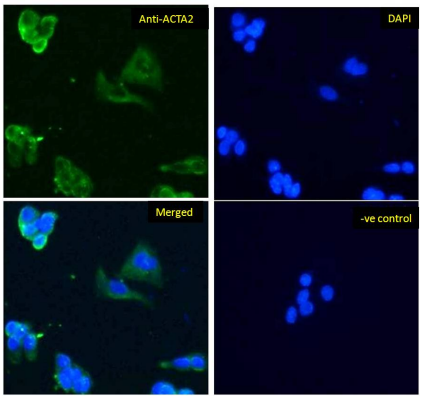
ARG59471 anti-NG2 / Chondroitin sulfate proteoglycan 4 antibody WB image

Western blot: A375 cell lysate stained with ARG59471 anti-NG2 / Chondroitin sulfate proteoglycan 4 antibody.



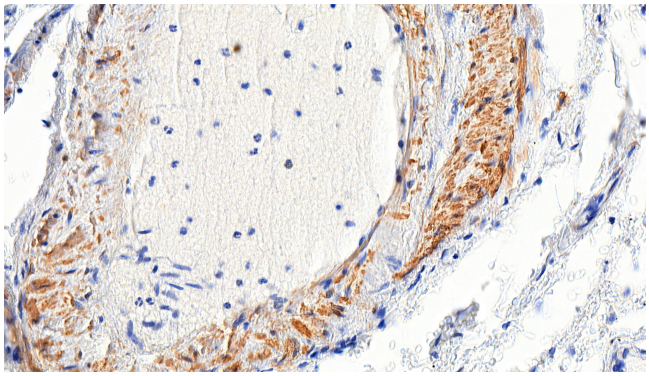
ARG63621 anti-alpha smooth muscle Actin antibody WB image

Western blot: 30 µg of MEF cell lysate stained with ARG63621 anti-alpha smooth muscle Actin antibody at 1:300 dilution.



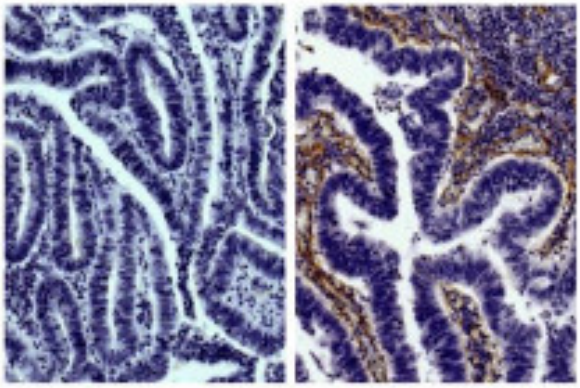
ARG63621 anti-alpha smooth muscle Actin antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HepG2 cells permeabilized with 0.15% Triton. Cells were stained with ARG63621 anti-alpha smooth muscle Actin antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG63621 anti-alpha smooth muscle Actin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). The tissue section was stained with ARG63621 anti-alpha smooth muscle Actin antibody at 3.5 µg/ml dilution followed by HRP-staining.



ARG21968 anti-Collagen IV antibody (pre-adsorbed) IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue stained with ARG23772 Goat IgG Isotype Control antibody (left) and ARG21968 anti-Collagen IV antibody (pre-adsorbed) (right) followed by ARG23857 Swine anti-Goat IgG (H+L) antibody (HRP) (pre-adsorbed), DAB and hematoxylin.