ARG30304
Astrocyte Maturation / Muller Cell Marker Antibody Duo (GFAP, Vimentin)

Package: 1 pair
Store at: -20°C

Component

Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG10122	anti-GFAP antibody [GF5]	Mouse mAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC-Fr, WB	50 µg
ARG66302	anti-Vimentin antibody [SQab1859]	Mouse mAb	Hu, Ms, Rat, Chk, Dog, Goat, Hm, Mk, Pig, Xenopus, Zfsh	FACS, ICC/IF, IHC-Fr, IHC-P, WB	50 µg

Summary

Product Description

Glial fibrillary acidic protein (GFAP) is the major intermediate filament protein in mature astrocytes, a main type of glial cells in the central nervous system (CNS). GFAP is a fairly astrocyte marker.

Vimentin is a type III intermediate filament protein present in many cell types of mesodermal origin as well as some ectodermal cells, including neural stem cells. Vimentin is expressed in transient cell type radial glia during development. After maturation, most radial glia disappear and transform into stellate astrocytes, although radial glial cells remain in the retina (Müller cells).

arigo's ARG30088 Astrocyte Maturation / Muller Cell Marker Antibody Duo (GFAP, Vimentin) comprises Vimentin and GFAP antibodies for identifying immature and mature astrocytes respectively. It is also excellent for labeling Müller cells in the retina.

Related news:
Astrocyte-to-neuron conversion for Parkinson's disease treatment

Target Name

Astrocyte Maturation / Muller Cell Marker

Alternate Names

Astrocyte Maturation / Muller Cell Marker antibody; GFAP antibody; Vimentin 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

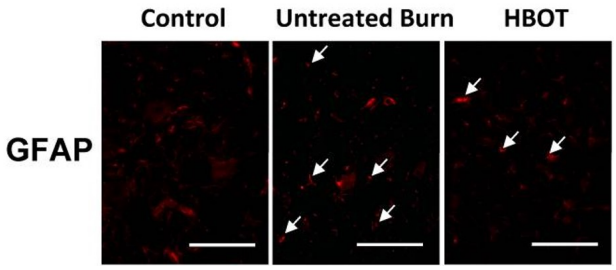
Gene Full Name

Antibody Duo for Astrocyte Maturation / Muller Cell Marker (GFAP, Vimentin)

Highlight

Related Product:
anti-GFAP antibody;
anti-Vimentin antibody;

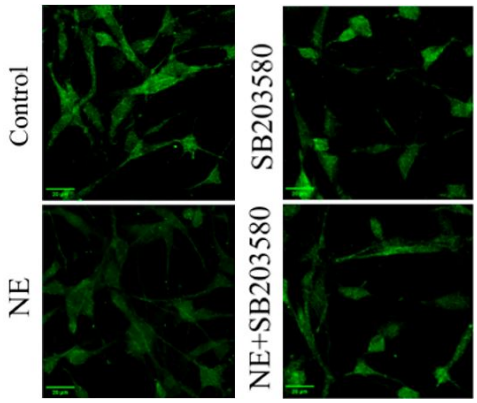
Images



ARG10122 anti-GFAP antibody [GF5] IHC-Fr image

Immunohistochemistry:Frozen rat ventral horn of spinal cord stained with ARG10122 anti-GFAP antibody [GF5] at 1: 500 dilution.

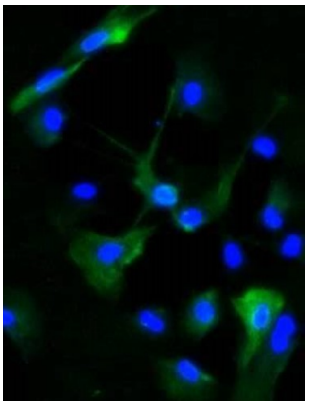
From Chin-An Chen et al. Int J Med Sci. (2021), doi: 10.7150/ijms.65976, Fig. 4A.



ARG10122 anti-GFAP antibody [GF5] IHC-Fr image

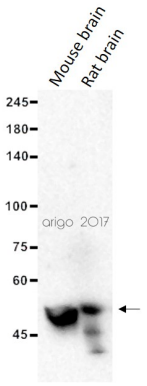
Immunohistochemistry: Frozen Rat brain stained with ARG10122 anti-GFAP antibody [GF5].

From Luo Z et al. Cell Mol Neurobiol- (2020), doi: 10.1007/s10571-019-00755-8, Fig. 7.



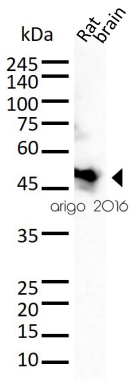
ARG10122 anti-GFAP antibody [GF5] ICC/IF image

Immunofluorescence: Rat astrocyte primary cell stained with ARG10122 anti-GFAP antibody [GF5] (green) at 1:200 dilution. Cell nuclei was stained with DAPI (blue).



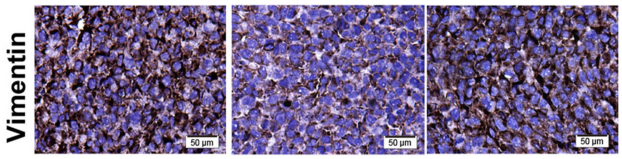
ARG10122 anti-GFAP antibody [GF5] WB image

Western blot: 20 µg of Mouse brain and Rat brain lysates stained with ARG10122 anti-GFAP antibody [GF5] at 1:500 dilution.



ARG10122 anti-GFAP antibody [GF5] WB image

Western blot: 30 µg of Rat brain lysate stained with ARG10122 anti-GFAP antibody [GF5] at 1:500 dilution.

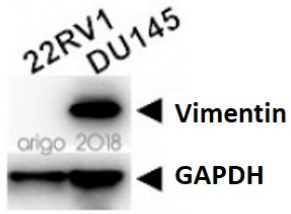


ARG66302 anti-Vimentin antibody [SQab1859] IHC-P image

Immunohistochemistry: Mouse xenograft tumor stained with ARG66302 anti-Vimentin antibody [SQab1859].

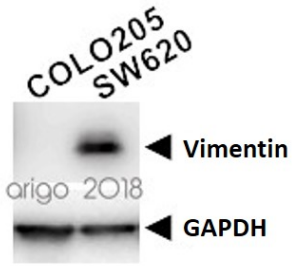
From Jianxia Wei et al. Cancer Sci. (2023), doi: 10.1111/cas.15998, Fig. 6E.

ARG66302 anti-Vimentin antibody [SQab1859] WB image

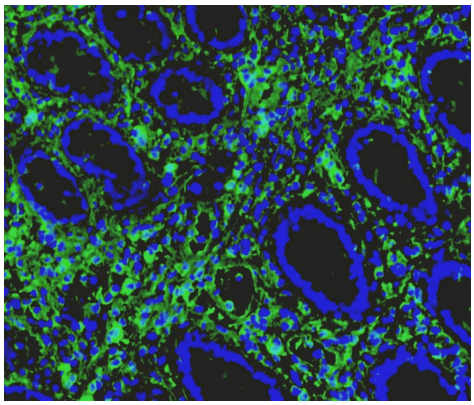


Western blot: 20 µg of 22RV1 and DU145 cell lysates stained with ARG66302 anti-Vimentin antibody [SQab1859] at 1:2000 dilution and ARG65680 anti-GAPDH antibody at 1:10000 dilution.

ARG66302 anti-Vimentin antibody [SQab1859] WB image

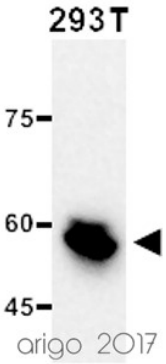


Western blot: 20 µg of COLO205 and SW620 cell lysates stained with ARG66302 anti-Vimentin antibody [SQab1859] at 1:2000 dilution and ARG65680 anti-GAPDH antibody at 1:10000 dilution.



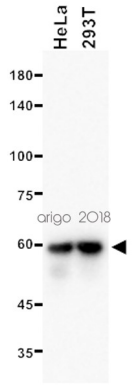
ARG66302 anti-Vimentin antibody [SQab1859] IHC-Fr image

Immunohistochemistry: Frozen section of swine colon stained with ARG66302 anti-Vimentin antibody [SQab1859] (green) at 1:200 dilution. DAPI (blue) staining for cell nuclei.



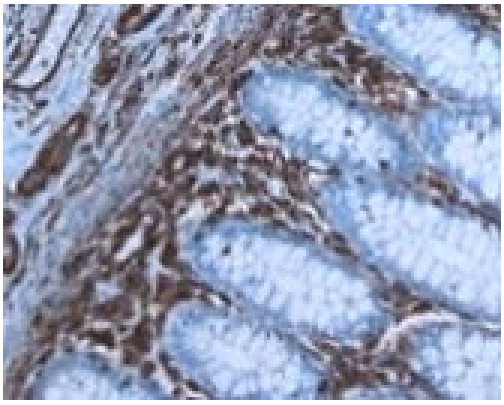
ARG66302 anti-Vimentin antibody [SQab1859] WB image

Western blot: 20 µg of 293T cell lysate stained with ARG66302 anti-Vimentin antibody [SQab1859] at 1:1000 dilution.



ARG66302 anti-Vimentin antibody [SQab1859] WB image

Western blot: 20 µg of HeLa and 293T cell lysates stained with ARG66302 anti-Vimentin antibody [SQab1859] at 1:1000 dilution.



ARG66302 anti-Vimentin antibody [SQab1859] IHC-P image

Immunohistochemistry: paraffin section of Human colon stained with ARG66302 anti-Vimentin antibody [SQab1859].