

ARG30315 Brain Injury IHC Marker Antibody Duo (GFAP, MMP9)

Package: 1 pair
Store at: -20°C

Component

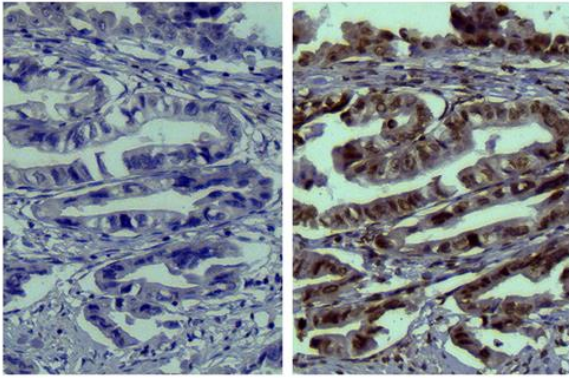
Cat. No.	Component Name	Host clonality	Reactivity	Application	Package
ARG22191	anti-MMP9 antibody [SB15c]	Mouse mAb	Hu	ELISA, ICC/IF, IHC-P, WB	50 µg
ARG10122	anti-GFAP antibody [GF5]	Mouse mAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC-Fr, WB	50 µg

Summary

Product Description	<p>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 augmented in astrogliosis, a pathophysiology associated with degenerative and infectious/inflammatory brain disorders.</p> <p>Matrix metalloproteinase 9 (MMP-9) is a member of metalloproteinases family. It cleaves ECM and cell surface receptors allowing for synaptic and circuit level reorganization. MMP-9 level is increased after traumatic brain injury and involved in the following excitotoxic neuronal loss.</p> <p>arigo's ARG30292 Brain Injury IHC Marker Antibody Duo (GFAP, MMP9) comprise two antibodies against GFAP and MMP9, the pathological hallmark of CNS lesions, and is excellent for histological analysis of brain injury.</p> <p>Related news: Astrocyte-to-neuron conversion for Parkinson's disease treatment</p>
Target Name	Brain Injury IHC Marker
Alternate Names	Brain Injury IHC Marker antibody; GFAP antibody; MMP9 antibody

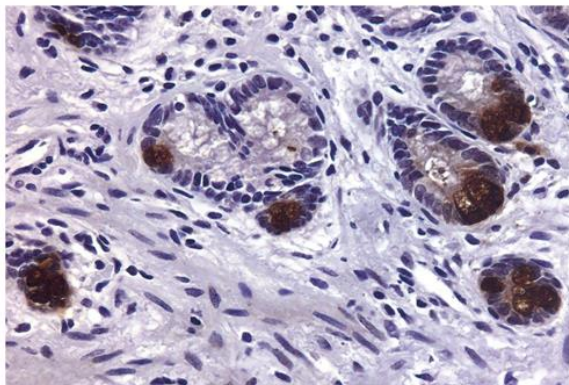
Properties

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.



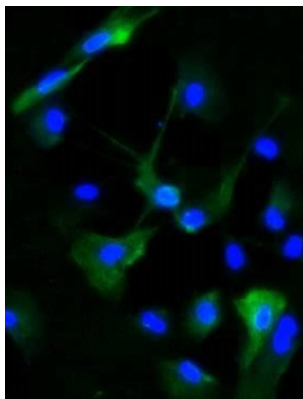
ARG22191 anti-MMP9 antibody [SB15c] IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue stained with [ARG21961](#) Mouse IgG2a Isotype Control antibody [HOPC-1] (left) and ARG22191 anti-MMP9 antibody [SB15c] (right) followed by [ARG23705](#) Goat anti-Mouse IgG2a (HRP) (pre-adsorbed), DAB and hematoxylin.



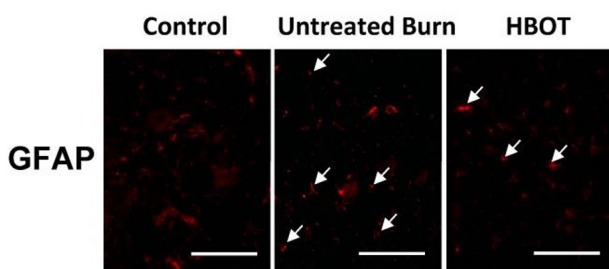
ARG22191 anti-MMP9 antibody [SB15c] IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue stained with ARG22191 anti-MMP9 antibody [SB15c] followed by [ARG23806](#) Goat anti-Mouse IgG2a antibody (Biotin) (pre-adsorbed), [ARG23912](#) Streptavidin (HRP), DAB and hematoxylin.



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).



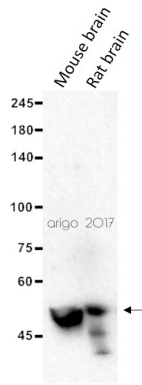
ARG10122 anti-GFAP antibody [GF5] IHC-Fr image

Immunohistochemistry: 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](https://doi.org/10.7150/ijms.65976), Fig. 4A.

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.

