# ARG11119
# anti-Myelin Basic Protein antibody

Package: 50 µl
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Goat Polyclonal antibody recognizes Myelin Basic Protein |
| Tested Reactivity | Hu, Ms, Rat, Cow, Pig |
| Tested Application | IHC-Fr, WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Myelin Basic Protein |
| Species | Bovine |
| Immunogen | Purified Myelin Basic Protein isolated from bovine brain. |
| Conjugation | Un-conjugated |
| Alternate Names | MBL; Mannose-binding lectin; HSMBPC; Mannose-binding protein C; MBP1; COLEC1; MBL2D; MBP-C; Mannan-binding protein; Collectin-1; MBP; MBPD |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC-Fr | 1:2000 - 1:5000 |
| WB | 1:5000 - 1:10000 |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

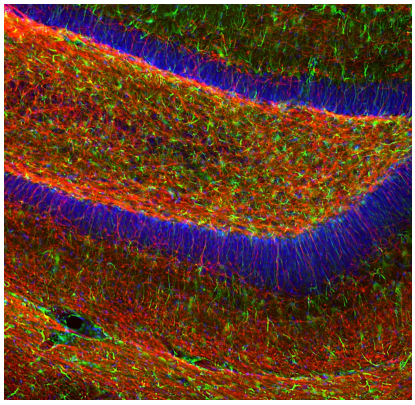
## Properties

| | |
|---|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS, 5 mM Sodium azide and 50% Glycerol. |
| Preservative | 5 mM Sodium azide |
| Stabilizer | 50% Glycerol |
| Concentration | 1 mg/ml |
| 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. 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

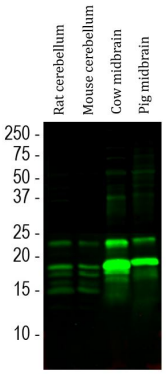
| | |
|---|---|
| Gene Symbol | MBL2 |
| Gene Full Name | mannose-binding lectin (protein C) 2, soluble |
| Background | This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases. [provided by RefSeq, Jul 2008] |
| Function | Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA. [UniProt] |
| Calculated Mw | 26 kDa |
| Cellular Localization | Secreted. [UniProt] |

## Images



ARG11119 anti-Myelin Basic Protein antibody IHC-Fr image

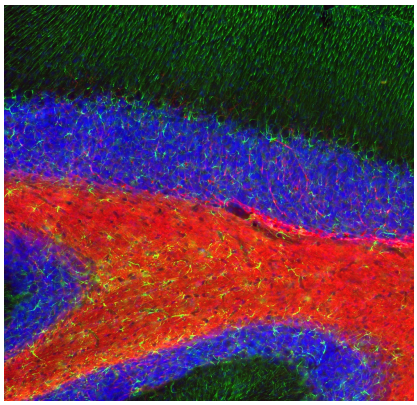
Immunohistochemistry: Frozen section of Mouse hippocampus tissue stained with ARG11119 anti-Myelin Basic Protein antibody (red) at 1:5000 dilution, and co-stained with anti-GFAP antibody (green) at 1:5000 dilution. Hoechst (blue) for nuclear staining.




ARG11119 anti-Myelin Basic Protein antibody WB image

Western blot: Rat cerebellum, Mouse cerebellum, Cow midbrain and Pig midbrain lysates stained with ARG11119 anti-Myelin Basic Protein antibody at 1:5000 dilution.

Multiple bands between 15-25 kDa mark correspond to the various alternate transcripts of the single MBP gene.



ARG11119 anti-Myelin Basic Protein antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat cerebellum tissue stained with ARG11119 anti-Myelin Basic Protein antibody (red) at 1:5000 dilution, and co-stained with anti-GFAP antibody (green) at 1:5000 dilution.