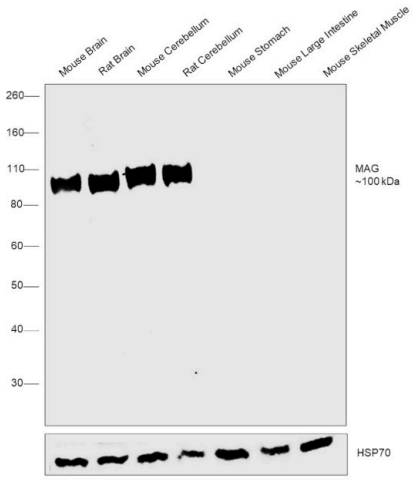
# MAG Polyclonal Antibody

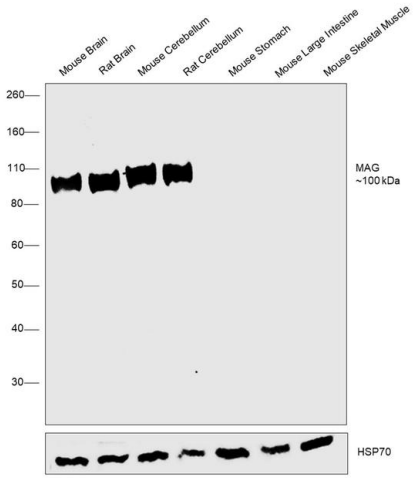
| Product Details | |
|---|---|
| Size | 100 µg |
| Species Reactivity | Human, Mouse, Rat |
| Published Species | Rat, Mouse, Human |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Human S/L-MAG fusion protein with a C-terminal region insert. |
| Form | Liquid |
| Concentration | 0.25 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS, pH 7.4 |
| Contains | 0.1% sodium azide |
| Storage conditions | -20°C |
| RRID | AB_2533179 |

| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | 1:1,000 | 14 Publications |
| Immunohistochemistry (IHC) | - | 5 Publications |
| Immunohistochemistry (Frozen) (IHC (F)) | Assay-dependent | - |
| Immunocytochemistry (ICC/IF) | - | 3 Publications |
| Immunoprecipitation (IP) | Assay-dependent | - |
| Miscellaneous PubMed (Misc) | - | 2 Publications |

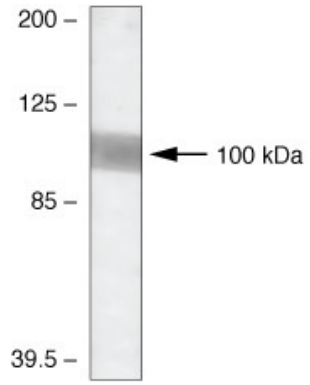
## Product Images For MAG Polyclonal Antibody




**MAG Antibody (34-6200)**
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues tested owing to their inherent genetic constitution. Relative expression of Myelin-associated glycoprotein was observed in brain and cerebellum tissues in comparison to other tissues using Anti-MAG Polyclonal Antibody (Product # 34-6200) in Western Blot. {RE}




**MAG Antibody (34-6200) in WB**
Western Blot was performed using Anti-MAG Polyclonal Antibody (Product # 34-6200) and a 100 kDa band corresponding to Myelin-associated glycoprotein was observed across brain and cerebellum tissues which are reported to be positive for MAG expression when compared to other tissues such as stomach, large intestine and skeletal muscle. Tissue extracts (30 µg lysate) of Mouse Brain (Lane 1), Rat Brain (Lane 2), Mouse Cerebellum (Lane 3), Rat Cerebellum (Lane 4), Mouse Stomach (Lane 5), Mouse Large Intestine (Lane 6), Mouse Skeletal Muscle (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:6000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



Western blot analysis of rat brain homogenates using Rb anti-S/L-MAG (Cat. no. 34-6200).

**MAG Antibody (34-6200) in WB**
Western blot analysis of rat brain homogenates using Rb anti-S/L-MAG (Product # 34-6200)

## View more figures on thermofisher.com

## 24 References

### Western Blot (14)

**Frontiers in neuroscience**

**Differential impacts of *Cntnap2* heterozygosity and *Cntnap2* null homozygosity on axon and myelinated fiber development in mouse.**

"Published figure using MAG polyclonal antibody (Product # 34-6200) in Western Blot"

Authors: Cifuentes-Diaz C,Canali G,Garcia M,Druart M,Manett T,Savariradjane M,Guillaume C,Le Magueresse C, Goutebroze L

**Year**
2023

**PLoS genetics**

**A new mouse model of Charcot-Marie-Tooth 2J neuropathy replicates human axonopathy and suggest alteration in axo-glia communication.**

"34-6200 was used in Immunohistochemistry-immunofluorescence to suggest that Schwann cells in P0T124M mutant mice cannot provide axons with sufficient trophic support, leading to reduced ATP biosynthesis and axonopathy."

Authors: Shackleford G,Marziali LN,Sasaki Y,Claessens A,Ferri C,Weinstock NI,Rossor AM,Silvestri NJ,Wilson ER, Hurley E,Kidd GJ,Manohar S,Ding D,Salvi RJ,Feltri ML,D'Antonio M,Wrabetz L

**Year**
2022

**Species**
Mouse

**Dilution**
1:1000

View more WB references on thermofisher.com

### Immunohistochemistry (5)

**PLoS genetics**

**A new mouse model of Charcot-Marie-Tooth 2J neuropathy replicates human axonopathy and suggest alteration in axo-glia communication.**

"34-6200 was used in Immunohistochemistry-immunofluorescence to suggest that Schwann cells in P0T124M mutant mice cannot provide axons with sufficient trophic support, leading to reduced ATP biosynthesis and axonopathy."

Authors: Shackleford G,Marziali LN,Sasaki Y,Claessens A,Ferri C,Weinstock NI,Rossor AM,Silvestri NJ,Wilson ER, Hurley E,Kidd GJ,Manohar S,Ding D,Salvi RJ,Feltri ML,D'Antonio M,Wrabetz L

**Year**
2022

**Species**
Mouse

**Dilution**
1:1000

**Glia**

**Increased expression of colony-stimulating factor-1 in mouse spinal cord with experimental autoimmune encephalomyelitis correlates with microglial activation and neuronal loss.**

"34-6200 was used in Immunohistochemistry to demonstrate that CSF1 was expressed in astrocytes and neurons in normal mouse spinal cord."

Authors: Gushchina S,Pryce G,Yip PK,Wu D,Pallier P,Giovannoni G,Baker D,Bo X

**Year**
2018

**Species**
Mouse

**Dilution**
1:100

View more IHC references on thermofisher.com

### More applications with references on thermofisher.com

**ICC/IF (3)** **Misc (2)**