

IBA1 Polyclonal Antibody

| Product Details | |
|--------------------|--|
| Size | 100 µL |
| Species Reactivity | Human, Mouse, Rat |
| Published Species | Dog, Rat, Mouse, Human |
| Host/Isotype | Rabbit / IgG |
| Class | Polyclonal |
| Type | Antibody |
| Conjugate | Unconjugated |
| Immunogen | Recombinant protein encompassing a sequence within the center region of human Iba1 |
| Form | Liquid |
| Concentration | 0.7 mg/mL |
| Purification | Antigen affinity chromatography |
| Storage buffer | PBS, pH 7, with 20% glycerol |
| Contains | 0.025% ProClin 300 |
| Storage conditions | Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles. |
| RRID | AB_2544912 |

| Applications | Tested Dilution | Publications |
|---|-----------------|-----------------|
| Western Blot (WB) | 1:500-1:10,000 | 3 Publications |
| Immunohistochemistry (IHC) | Assay-dependent | 14 Publications |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:100-1:1,000 | - |
| Immunohistochemistry - Free Floating (IHC (Free)) | - | 1 Publication |
| Immunocytochemistry (ICC/IF) | 1:100-1:1,000 | 4 Publications |
| Flow Cytometry (Flow) | 1:50-1:200 | 1 Publication |
| Immunoprecipitation (IP) | 1:100-1:500 | - |
| Miscellaneous PubMed (Misc) | - | 1 Publication |

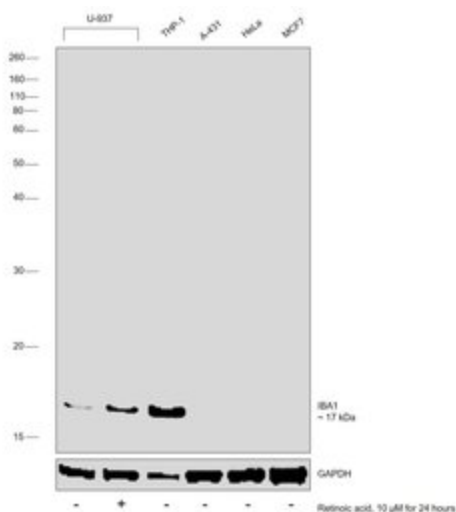
Product Specific Information

Predicted reactivity: Bovine, Pig, Rhesus Monkey (>80% identity)

Advanced Verification Data

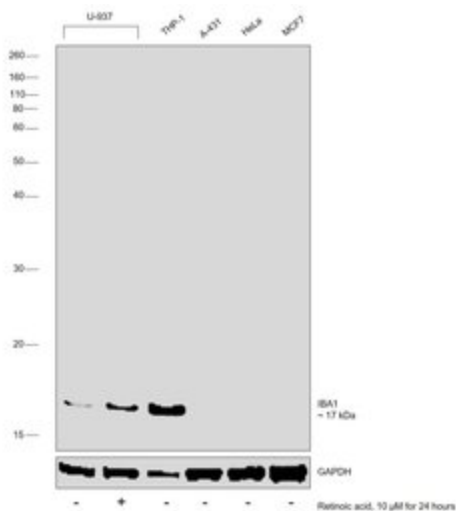
IBA1 Antibody (PA5-27436)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using IBA1 Polyclonal Antibody (Product #PA5-27436), shows increased expression of IBA1 in U-937 cell line upon Retinoic acid treatment. Cell treatment validation info.



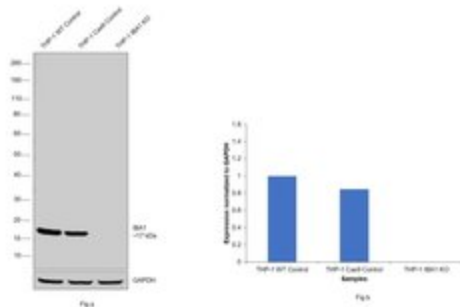
IBA1 Antibody (PA5-27436)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of IBA1 was observed in THP-1 in comparison to A-431, HeLa and MCF7 using Anti-IBA1 Polyclonal Antibody (Product # PA5-27436) in Western Blot. Relative expression validation info.



IBA1 Antibody (PA5-27436)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in IBA1 KO cell line compared to control cell line using Anti-IBA1 Polyclonal Antibody (Product # PA5-27436). Knockout validation info.



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24 References

Western Blot (3)

Nutrients

Obesity and Age-Related Changes in the Brain of the Zucker *Lepr* Rats.

"Published figure using IBA1 polyclonal antibody (Product # PA5-27436) in Immunohistochemistry"

Authors: Tomassoni D, Martinelli I, Moruzzi M, Micioni Di Bonaventura MV, Cifani C, Amenta F, Tayebati SK

Species

Rat
Not Applicable

Dilution

1:200
Not Cited

Year

2020

Journal of neuroinflammation

Contribution of spinal cord glial cells to *L. amazonensis* experimental infection-induced pain in BALB/c mice.

"PA5-27436 was used in Western Blotting to evaluate the participation of spinal cord glial cells in the pathophysiology of pain induced by *Leishmania amazonensis* infection in BALB/c mice."

Authors: Borghi SM, Fattori V, Pinho-Ribeiro FA, Domiciano TP, Miranda-Sapla MM, Zaninelli TH, Casagrande R, Pinge-Filho P, Pavanelli WR, Alves-Filho JC, Cunha FQ, Cunha TM, Verri WA

Species

Mouse

Dilution

1:1000

Year

2019

[View more WB references on thermofisher.com](#)

Immunohistochemistry (14)

Oxidative medicine and cellular longevity

Quinovic Acid Impedes Cholesterol Dyshomeostasis, Oxidative Stress, and Neurodegeneration in an Amyloid-Induced Mouse Model.

"Published figure using IBA1 polyclonal antibody (Product # PA5-27436) in Immunohistochemistry"

Authors: Saeed K, Shah SA, Ullah R, Alam SI, Park JS, Saleem S, Jo MH, Kim MW, Hahm JR, Kim MO

Species

Mouse
Not Applicable

Dilution

1:100
Not Cited

Year

2021

Frontiers in immunology

Experimental *Trypanosoma cruzi* Infection Induces Pain in Mice Dependent on Early Spinal Cord Glial Cells and NFB Activation and Cytokine Production.

"Published figure using IBA1 polyclonal antibody (Product # PA5-27436) in Immunohistochemistry"

Authors: Borghi SM, Fattori V, Carvalho TT, Tatakihara VLH, Zaninelli TH, Pinho-Ribeiro FA, Ferraz CR, Staurengo-Ferrari L, Casagrande R, Pavanelli WR, Cunha FQ, Cunha TM, Pinge-Filho P, Verri WA

Species

Not Applicable

Dilution

Not Cited

Year

2021

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IHC (Free) (1)

ICC/IF (4)

Flow (1)

Misc (1)

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