

# TIA1/TIAL1 Polyclonal Antibody

| Product Details    |   |
|--------------------|---|
| Size               | 100 µg  |
| Species Reactivity | Human   |
| Published Species  | Human   |
| Host/Isotype       | Goat / IgG  |
| Class              | Polyclonal  |
| Type               | Antibody  |
| Conjugate          | Unconjugated  |
| Immunogen          | Synthetic peptide sequence (SPEITTEDIKSAFAP) corresponding to the internal amino acids of TIAL1 |
| Form               | Liquid  |
| Concentration      | 0.5 mg/mL   |
| Purification       | Ammonium sulfate precipitation  |
| Storage buffer     | TBS, pH 7.3, with 0.5% BSA  |
| Contains           | 0.02% sodium azide  |
| Storage conditions | -20° C, Avoid Freeze/Thaw Cycles  |
| RRID               | AB_10983032   |

| Applications                 | Tested Dilution | Publications  |
|------------------------------|-----------------|---------------|
| Western Blot (WB)            | 1-3 µg/mL       | -             |
| Immunohistochemistry (IHC)   | 3-5 µg/mL       | -             |
| Immunocytochemistry (ICC/IF) | -               | 1 Publication |

## Product Specific Information

This antibody is predicted to react with bovine, canine and mouse based on sequence homology.

This antibody is tested in Peptide ELISA: antibody detection limit dilution 64,000.



250kDa  
150kDa  
  
100kDa  
75kDa  
  
50kDa  
37kDa  
  
25kDa  
20kDa  
  
15kDa

**TIA1/TIAL1 Antibody (PA5-19240) in WB**  
Western blot analysis of TIA1/TIAL1 using TIA1/TIAL1 Polyclonal Antibody (Product # PA5-19240) (2 µg/mL) in staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Immunocytochemistry (1)

Journal of virology

### SARS-CoV-2 N Protein Antagonizes Stress Granule Assembly and IFN Production by Interacting with G3BPs to Facilitate Viral Replication.

"PA5-19240 was used in Immunocytochemistry-immunofluorescence to demonstrate that NPSARS-CoV-2 suppresses G3BP-mediated SG formation and potentiate viral infection by overcoming antiviral innate immunity mediated by G3BP1."

Authors: Liu H,Bai Y,Zhang X,Gao T,Liu Y,Li E,Wang X,Cao Z,Zhu L,Dong Q,Hu Y,Wang G,Song C,Niu X,Zheng T, Wang D,Liu Z,Jin Y,Li P,Bian X,Cao C,Liu X

Year  
2022

Species  
Human

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