

Gata3 (11D16) Rat Monoclonal Antibody

Gata3 (11D16) Rat Monoclonal Antibody

Catalog # AP93642

Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC |
| Primary Accession | P23772 |
| Reactivity | Mouse |
| Clonality | Monoclonal |
| Calculated MW | 47968 |

Additional Information

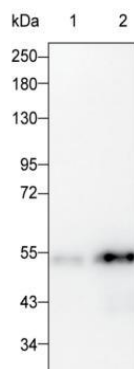
| | |
|--------------------|--|
| Gene ID | 14462 |
| Other Names | Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, Gata3, Gata-3 |
| Dilution | WB~~1:1000 IHC~~1:100~500 |
| Storage Conditions | -20°C |

Protein Information

| | |
|-------------------|--|
| Name | Gata3 |
| Synonyms | Gata-3 |
| Function | Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. Positively regulates ASB2 expression (PubMed: 31175139). Coordinates macrophage transcriptional activation and UCP2-dependent metabolic reprogramming in response to IL33. Upon tissue injury, acts downstream of IL33 signaling to drive differentiation of inflammation-resolving alternatively activated macrophages. |
| Cellular Location | Nucleus |
| Tissue Location | T-cell specific. |

Images

15 µg of Jurkat lysate and 15 µg of SH-SY5Y lysate were



run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. AP93642 at 1 $\mu\text{g/mL}$ was used as the primary antibody and peroxidase conjugated goat anti-rat IgG was used as the secondary antibody. Gata3 band was visualized using ECL Substrate. Result: AP93642 can detect mouse Gata3 by Western blotting.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.