

Gata3 (16Z15) Rat Monoclonal Antibody

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Catalog # AP93641

Product Information

Application	WB
Primary Accession	P23772
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	47968

Additional Information

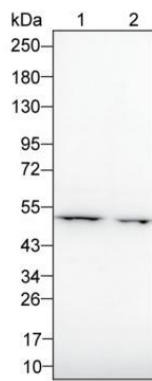
Gene ID	14462
Other Names	Trans-acting T-cell-specific transcription factor GATA-3, GATA-binding factor 3, Gata3, Gata-3
Dilution	WB~~1:1000
Storage Conditions	-20°C

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 MCF-7 lysate and 15 µg of SH-SY5Y lysate were



run on 6-18% SDS-PAGE under reducing conditions and blotted onto nitrocellulose membrane. AP93641 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: AP93641 can detect mouse Gata3 by Western blotting.

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