**Product Datasheet**

# IRF7 Rabbit mAb

Catalog No: #49007

Package Size: #49007-1 50ul #49007-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

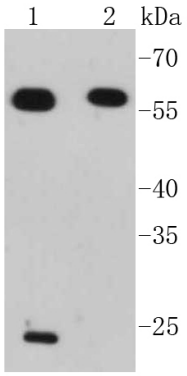
## Description

| | |
|---|---|
| Product Name | IRF7 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | SC0617 |
| Purification | ProA affinity purified |
| Applications | WB, ICC/IF, IHC, IP, FC |
| Species Reactivity | Hu, Ms, Rt, zebrafish |
| Immunogen Description | recombinant protein |
| Other Names | IMD39 antibody Interferon regulatory factor 7 antibody Interferon regulatory factor 7H antibody IRF 7 antibody IRF 7A antibody IRF 7H antibody IRF-7 antibody IRF7 antibody IRF7_HUMAN antibody IRF7A antibody IRF7B antibody IRF7C antibody IRF7H antibody |
| Accession No. | Swiss-Prot#:Q92985 |
| Uniprot | Q92985 |
| GeneID | 3665; |
| Calculated MW | 54 kDa |
| Formulation | 1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide. |
| Storage | Store at -20°C |

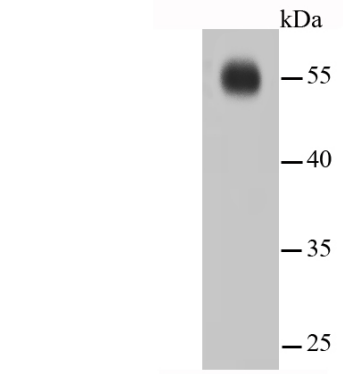
## Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200 ICC: 1:100-1:500FC: 1:50-1:100

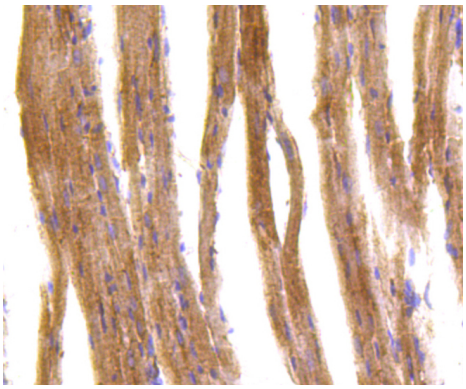
## Images



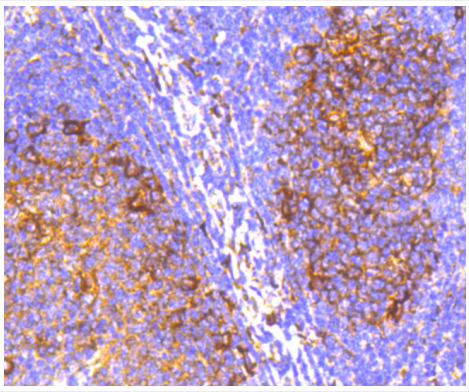

Western blot analysis of IRF7 on different lysates using anti-IRF7 antibody at 1/1,000 dilution. Positive control:
Lane 1: Jurkat
Lane 2: Raji



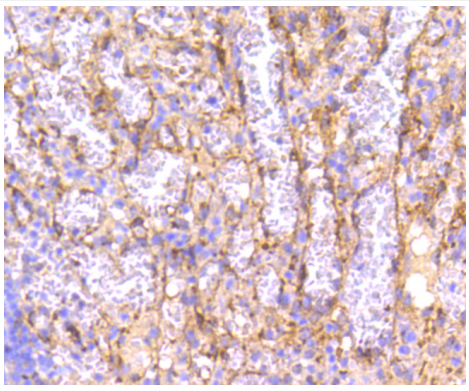

Western blot analysis of IRF7 on hybrid fish (crucian-carp) brain tissue lysate using anti-IRF7 antibody at 1/500 dilution.



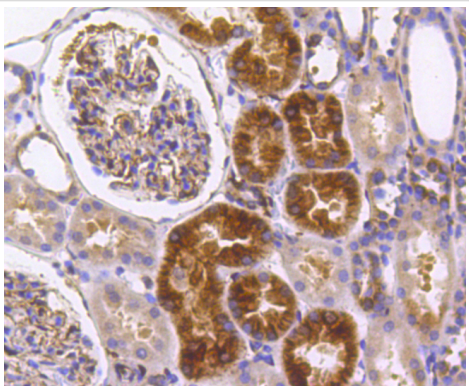
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-IRF7 antibody. Counter stained with hematoxylin.



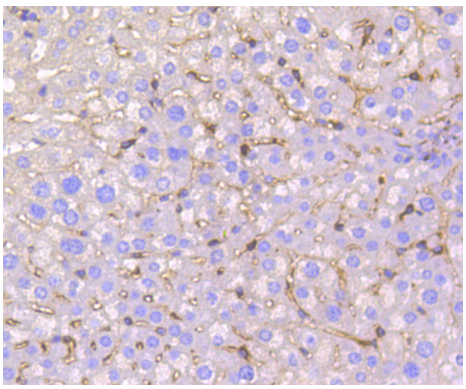
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-IRF7 antibody. Counter stained with hematoxylin.



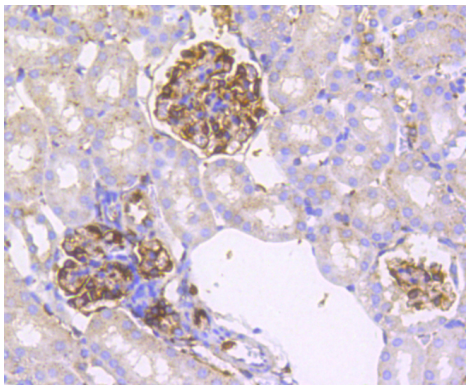
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-IRF7 antibody. Counter stained with hematoxylin.



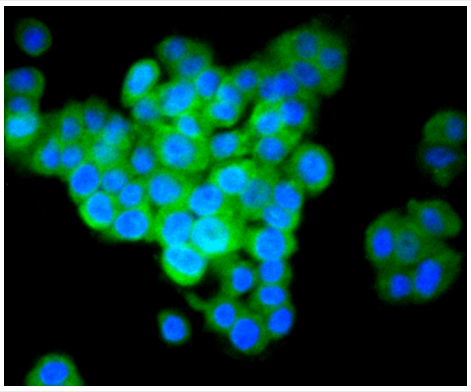
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-IRF7 antibody. Counter stained with hematoxylin.



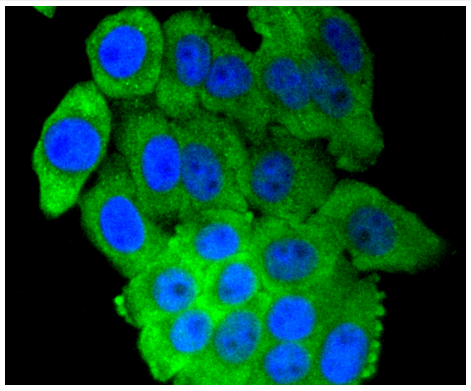
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-IRF7 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-IRF7 antibody. Counter stained with hematoxylin.



ICC staining IRF7 in PC-12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining IRF7 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

Interferon regulatory factor-1 (IRF-1) and IRF-2 have been identified as novel DNA-binding factors that function as regulators of both type I interferon (interferon-α and β) and interferon-inducible genes. The two factors are structurally related, particularly in their N-terminal regions, which confer DNA binding specificity. In addition, both bind to the same sequence within the promoters of interferon-α and interferon-β genes. IRF-1 functions as an activator of interferon transcription, while IRF-2 binds to the same cis elements and represses IRF-1 action. IRF-1 and IRF-2 have been reported to act in a mutually antagonistic manner in regulating cell growth; overexpression of the repressor IRF-2 leads to cell transformation while concomitant overexpression of IRF-1 causes reversion. IRF-1 and IRF-2 are members of a larger family of DNA binding proteins that includes IRF-3, IRF-4, IRF-5, IRF-6, IRF-7 and IFN consensus sequence-binding protein (ICSBP).

## References

Note: This product is for in vitro research use only