Anti-IFNAR1 Antibody [A5-A3]

EM1701-46

Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB, IHC-P, IF-Cell
Molecular Wt:	Predicted band size: 64 kDa
Clone number:	A5-A3

Description: Interferon-alpha/beta receptor alpha chain is a protein that in humans is encoded by the IFNAR1 gene.

Immunogen: Recombinant protein within human IFNAR1 aa 28-127 (Extracellular).

Positive control: HeLa cell lysate, Jurkat cell lysate, NCCIT, SHG-44, human lung tissue, human colon tissue, human skin tissue.

Subcellular location: Endosome. Cell membrane.

Database links: SwissProt: P17181 Human | P33896 Mouse

Recommended Dilutions:

WB	1:1,000
IF-Cell	1:50-1:200
IHC-P	1:50-1:200

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4℃. Store at +4℃ short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20℃ long term.

Purity: Protein G affinity purified.

Images

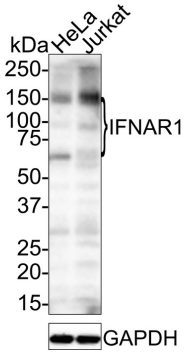

Fig1: Western blot analysis of IFNAR1 on different lysates with Mouse anti-IFNAR1 antibody (EM1701-46) at 1/1,000 dilution.

Lane 1: HeLa cell lysate
Lane 2: Jurkat cell lysate

Lysates/proteins at 40 µg/Lane.

Predicted band size: 64 kDa
Observed band size: 64/90/130 kDa

Exposure time: 3 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (EM1701-46) at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1:150,000 dilution was used for 1 hour at room temperature.

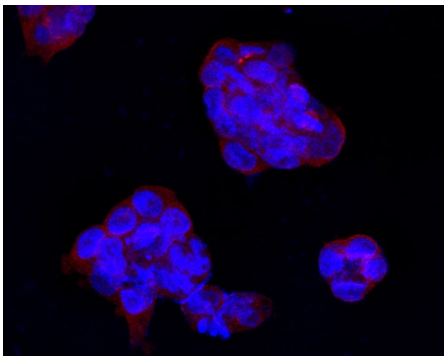

Fig2: ICC staining IFNAR1(red) in NCCIT cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

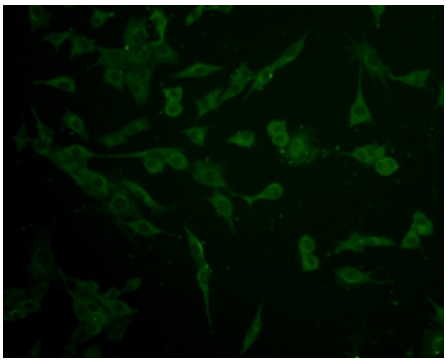

Fig3: ICC staining IFNAR1(green) in SHG-44 cells. Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

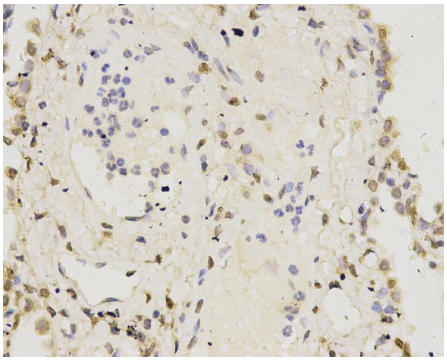

Fig4: Immunohistochemical analysis of paraffin-embedded human lung tissue using anti- IFNAR1 antibody. Counter stained with hematoxylin.

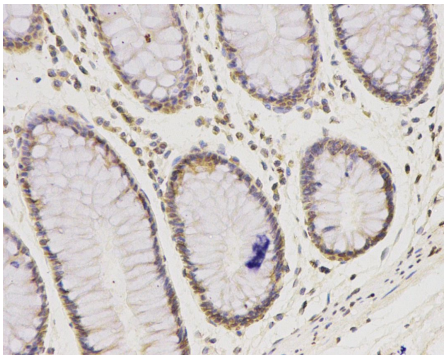

Fig5: Immunohistochemical analysis of paraffin-embedded human colon tissue using anti- IFNAR1 antibody. Counter stained with hematoxylin.

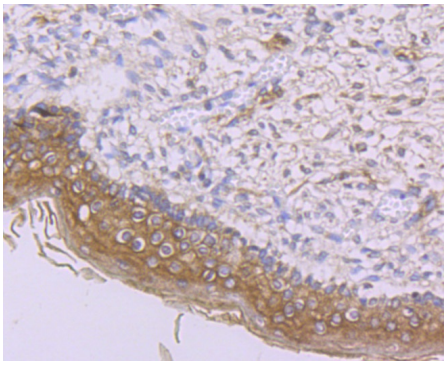

Fig6: Immunohistochemical analysis of paraffin-embedded human skin tissue using anti- IFNAR1 antibody. Counter stained with hematoxylin.

Background References

1. Thomas C et al. Structural linkage between ligand discrimination and receptor activation by type I interferons. Cell 146:621-632 (2011).
2. Claudinon J et al. Palmitoylation of interferon-alpha (IFN-alpha) receptor subunit IFNAR1 is required for the activation of Stat1 and Stat2 by IFN-alpha. J. Biol. Chem. 284:24328-24340 (2009).