
Product Name: KO-Validated IFITM3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA000088**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,M
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 14.6kDa

Antigen Information

Gene Name	IFITM3 IFITM3; Interferon Induced Transmembrane Protein 3; DSPA2b; Dispanin Subfamily A
Alternative Names	Member 2b; 1-8U; Interferon-Induced Transmembrane Protein 3; Interferon-Inducible Protein 1-8U; Interferon Induced Transmembrane Protein 3 (1-8U); IP15
Gene ID	10410.0
SwissProt ID	Q01628
Immunogen	A synthesized peptide derived from human Fragilis

Background

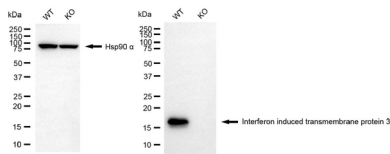
Interferon-induced transmembrane (IFITM) proteins are a family of interferon induced antiviral proteins. The family contains five members, including IFITM1, IFITM2 and IFITM3 and belong to the CD225 superfamily. The protein encoded by this gene

restricts cellular entry by diverse viral pathogens, such as influenza A virus, Ebola virus and Sars-CoV-2. [provided by RefSeq, Nov 2021]

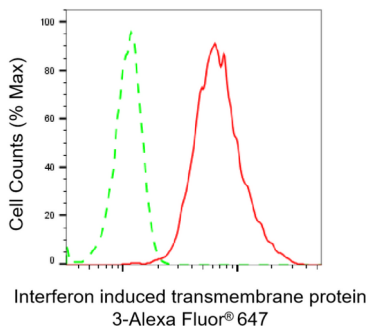
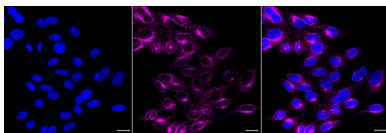
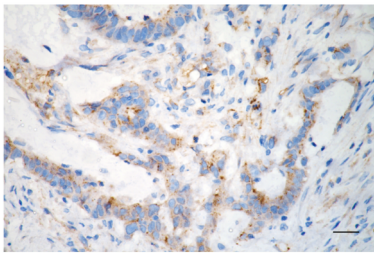
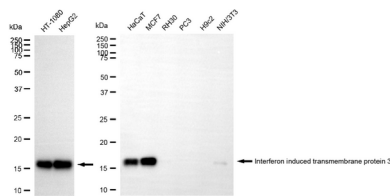
Research Area

Stem Cells, Developmental Biology

Image Data



Western blotting analysis using



interferon induced transmembrane protein 3 antibody (KVA00088). Interferon induced transmembrane protein 3 expression in wild-type (WT) and interferon induced transmembrane protein 3 (IFITM3) knockout (KO) HT-1080 cells with 20 μg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with interferon induced transmembrane protein 3 antibody (KVA00088, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Western blotting analysis using interferon induced transmembrane protein 3 antibody (KVA00088). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with interferon induced transmembrane protein 3 antibody (KVA00088, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.

Immunohistochemistry was performed on paraffin-embedded human sigmoid colon carcinoma using interferon induced transmembrane protein 3 antibody (KVA00088, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μm.

Immunocytochemical staining of HepG2 cells with Interferon induced transmembrane protein 3 antibody (KVA00088, 1:1,000). Nuclei were stained blue with DAPI; Interferon induced transmembrane protein 3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 μm.

Flow cytometric analysis of Interferon induced transmembrane protein 3 expression in HepG2 cells using Interferon induced transmembrane protein 3 antibody (KVA00088, 1:2,000). Green, isotype control; red, Interferon induced transmembrane protein 3.