

Product datasheet for **TA349363**

Interferon regulatory factor 9 (IRF9) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse pancreas tissue and NIH/3T3 cells IHC: 50-200 Positive control: Human tonsil Predicted cell location: Cytoplasm or Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human IRF9
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	44 kDa
Gene Name:	interferon regulatory factor 9
Database Link:	NP_006075 Entrez Gene 10379 Human Q00978



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Background:

Interferon regulatory factor 9 is a protein that in humans is encoded by the IRF9 gene, previously known as ISGF3G. Transcription regulatory factor that mediates signaling by type I IFNs (IFN- α and IFN- β). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with IRF9/ISGF3G to form a complex termed ISGF3 transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.

Synonyms:

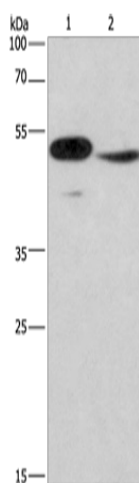
IRF-9; ISGF3; ISGF3G; p48

Protein Families:

Druggable Genome, Transcription Factors

Protein Pathways:

Jak-STAT signaling pathway

Product images:

Gel: 8%SDS-PAGE

Lysate: 40 μ g

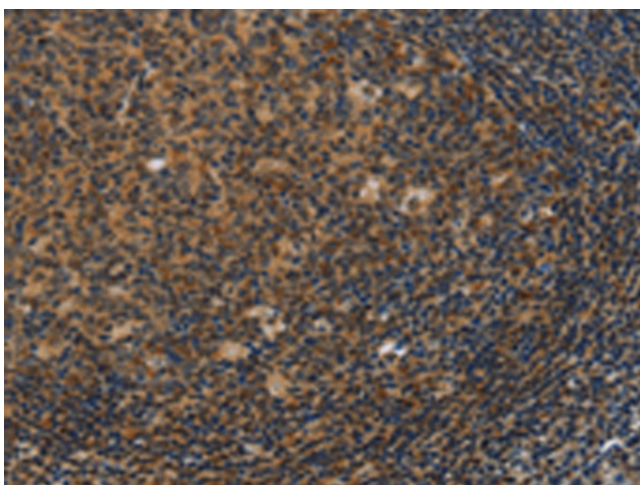
Lane 1-2: Mouse pancreas tissue

NIH/3T3 cells

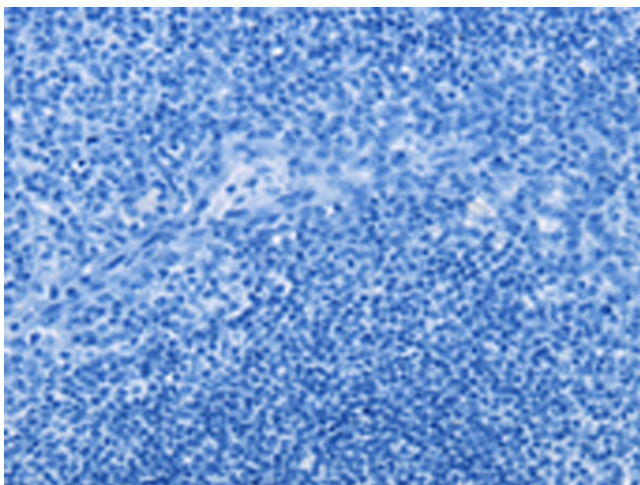
Primary antibody: TA349363 (IRF9 Antibody) at dilution 1/380

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

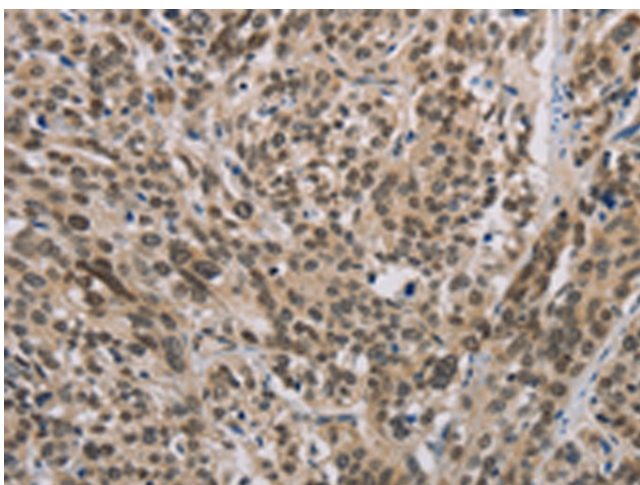
Exposure time: 1.5 minutes



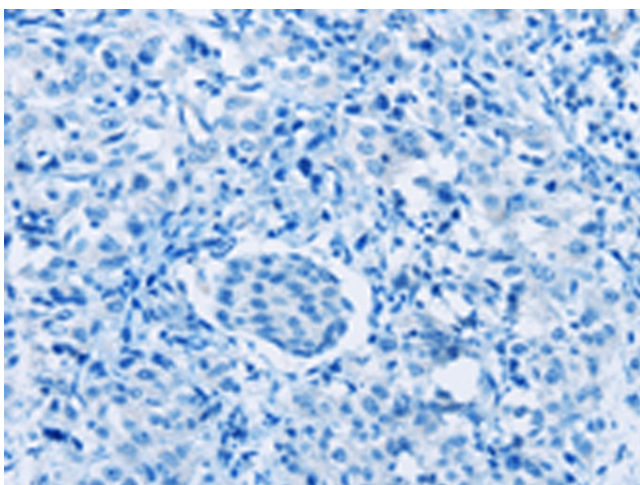
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349363 (IRF9 Antibody) at dilution 1/50 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA349363 (IRF9 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA349363 (IRF9 Antibody) at dilution 1/50 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA349363 (IRF9 Antibody) at dilution 1/50, treated with fusion protein. (Original magnification: x200)