



Rabbit Anti-Human IRF9 Polyclonal antibody (DPABH-07065)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	IRF9 fusion protein, sequence: MASGRARCTRKLNRNWVEQVESGQFPGVCWDDTAKTMFRIPWKHAGKQDFREDQDAAFFK AWAIFKGKYKEGDTGGPAVWKTRLRCALNKSSEFKEVPERGRMDVAEPYKVYQLLPPGIV SGQPGTQKVPSKRQHSSVSSERKEEEDAMQNCTLSPSVLQDSLNNEEEGASGGAVHSDIG SSSSSSPEPQEVTDTTEAPFQGDQRSLEFLLPPEPDYSLLLTFIYNGRVVGEAQVQSLD CRLVAEPSGSESSMEQVLFKPGPLEPTQRLLSQLERGILVASNPRGLFVQRLCPIPIW NAPQAPPGPGPHLLPSNECVELFRTAYFCRDLVRYFQGLGPPPKFQVTNFWEEESHGSSH TPQNLITVKMEQAFARYLLEQTPEQQAAILSLV (1-393 aa encoded by BC035716)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB, IP, IHC, IF, ELISA
Positive Control	mouse heart tissue, rat heart tissue
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Preservative	0.02% Sodium Azide

Storage

Store at -20°C. Aliquoting is unnecessary for -20°C storage.

BACKGROUND

Introduction

Interferon regulatory factor 9 (IRF9) also named Interferon-stimulated gene factor 3 gamma (ISGF3) is a transcription regulatory factor that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). 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.

Keywords

IRF9; interferon regulatory factor 9; p48; IRF-9; ISGF3; ISGF3G; ISGF-3 gamma; ISGF3 p48 subunit; interferon-stimulated gene factor 3 gamma; transcriptional regulator ISGF3 subunit gamma; IFN-alpha-responsive transcription factor subunit; interferon-stimulated transcription factor 3, gamma 48kDa; interferon-stimulated transcription factor 3, gamma (48kD);

GENE INFORMATION

Entrez Gene ID

[10379](#)

UniProt ID

[Q00978](#)