

Human/Mouse IRF9 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG Catalog Number: AF5629

DESCRIPTION		
Species Reactivity	Human/Mouse	
Specificity	Detects endogenous human and mouse IRF9 in Western blots.	
Source	Polyclonal Sheep IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human IRF9 Ser238-Val393 Accession # Q00978	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

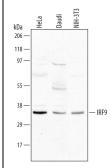
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below

DATA

Western Blot



Detection of Human IRF9 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Daudi human Burkitt's lymphoma cell line, and 3T3 mouse embryonic fibroblast cell line . PVDF membrane was probed with 2 µg/mL of Human/Mouse IRF9 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5629) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for IRF9 at approximately 35 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

IRF9 (interferon regulatory factor 9; also ISGF3-γ) is a 48 kDa member of the IRF family of proteins. It is widely expressed, and serves as a component of the ISGF3 complex. Following activation of IFNAR by IFN-α/β, IRF9 is acetylated by CBP on Lys81. IRF9 then associates with activated STAT1 and STAT2 to form an ISGF3 complex that is translocated into the nucleus. Human IRF9 is 393 amino acids (aa) in length. It contains an N-terminal DNA-binding region (aa 11-112) that contains an NLS (aa 66-85), plus a STAT-binding domain (aa 200-393). There are two potential isoform variants. One shows a deletion of aa 218-331 and 340-393, while another shows a five aa substitution for aa 217-393. Over aa 238-393, human IRF9 shares 79% aa identity with mouse IRF9.

Rev. 2/6/2018 Page 1 of 1

