


Anti-IRF5 antibody **ab21689**

★ ★ ★ ★ ★ **1 Abreviews** **24 References** **3 Images**

Overview

Product name	Anti-IRF5 antibody
Description	Rabbit polyclonal to IRF5
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Cow 
Immunogen	Synthetic peptide corresponding to Human IRF5 aa 450 to the C-terminus (C terminal) conjugated to bovine serum albumin. (Peptide available as ab22411)
Positive control	This antibody gave a positive signal in the following lysates: HeLa (Human epithelial carcinoma cell line) whole cell Liver (Mouse) Tissue Kidney (Mouse) Tissue Liver (Rat) Tissue
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab21689 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

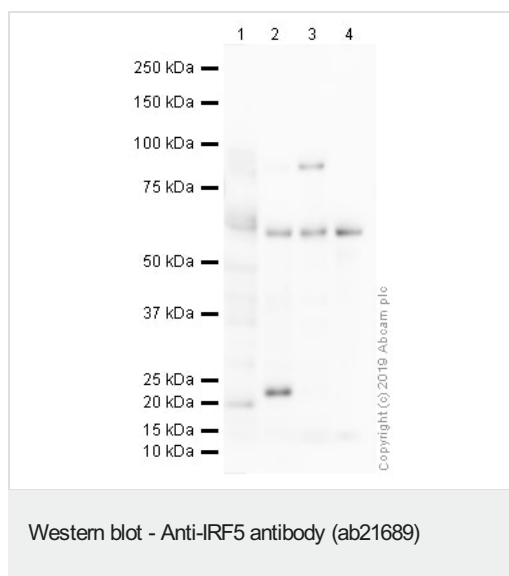
Application	Abreviews	Notes
WB	★ ★ ★ ★ ★ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 58 kDa).

Application notes Is unsuitable for IHC-P.

Target

Involvement in disease	<p>Genetic variations in IRF5 are associated with susceptibility to inflammatory bowel disease type 14 (IBD14) [MIM:612245]. IBD14 is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints.</p> <p>Genetic variations in IRF5 are associated with susceptibility to systemic lupus erythematosus type 10 (SLEB10) [MIM:612251]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.</p> <p>Genetic variations in IRF5 are a cause of susceptibility to rheumatoid arthritis (RA) [MIM:180300]. It is a systemic inflammatory disease with autoimmune features and a complex genetic component. It primarily affects the joints and is characterized by inflammatory changes in the synovial membranes and articular structures, widespread fibrinoid degeneration of the collagen fibers in mesenchymal tissues, and by atrophy and rarefaction of bony structures.</p>
Sequence similarities	<p>Belongs to the IRF family.</p> <p>Contains 1 IRF tryptophan pentad repeat DNA-binding domain.</p>
Cellular localization	Nucleus.

Images



All lanes : Anti-IRF5 antibody (ab21689) at 1 µg/ml

Lane 1 : HeLa Whole Cell Lysate at 20 µg

Lane 2 : Mouse Liver Tissue Lysate at 10 µg

Lane 3 : Mouse Kidney Tissue Lysate at 10 µg

Lane 4 : Rat Liver Tissue Lysate at 10 µg

Secondary

All lanes : Peroxidase AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

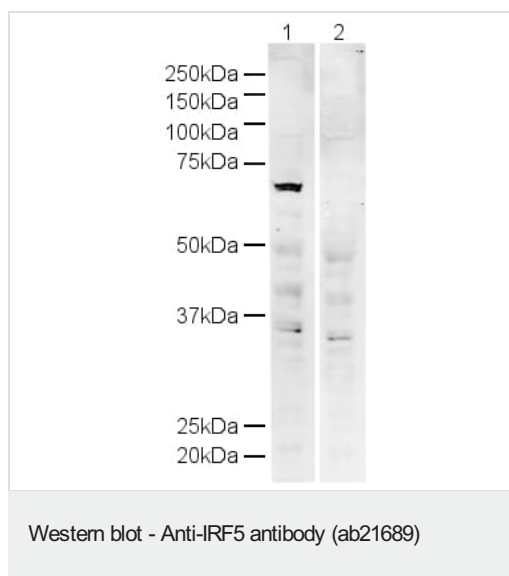
Predicted band size: 58 kDa

Observed band size: 60 kDa

Additional bands at: 25 kDa, 85 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 8 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab21689 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.



All lanes : Anti-IRF5 antibody (ab21689) at 1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : HeLa whole cell lysate with Human IRF5 peptide ([ab22411](#)) at 1 µg/ml

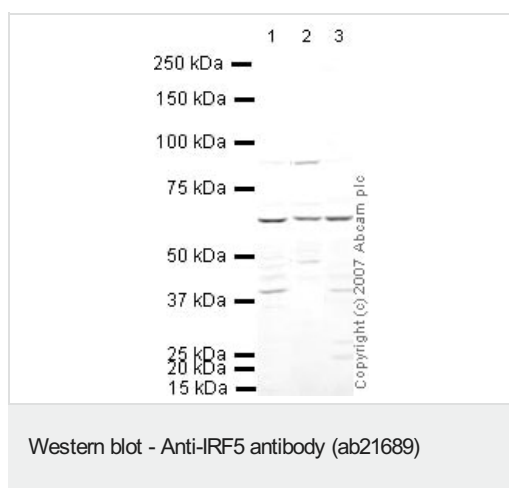
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Alexa Fluor Goat polyclonal to IgG (700) at 1/10000 dilution

Predicted band size: 58 kDa

Observed band size: 60 kDa



All lanes : Anti-IRF5 antibody (ab21689) at 1 µg/ml

Lane 1 : Liver (Mouse) Tissue Lysate - normal tissue

Lane 2 : Kidney (Mouse) Tissue Lysate

Lane 3 : Liver (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 58 kDa

Observed band size: 60 kDa

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