

Product datasheet

Anti-IRF5 antibody ab175317

★★★★☆ 1 Abreviews 2 References 1 Image

Overview

Product name	Anti-IRF5 antibody
Description	Rabbit polyclonal to IRF5
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant full length protein corresponding to Human IRF5 aa 1-498. Sequence:

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MNQSIPVAPTPRRVRLKPWLVAQVNSCQYPGLQWV
NGEKKLFCIPWRHA
TRHGPSQDGDNTIFKAWAKETGKYTEGVDEADPAKW
KANLRCALNKSRDF
RLYDGRDMPPQPYKIYEVCSNGPAPTDSQPPEDYSF
GAGEEEEEEEEL
QRMLPSLSLTEDVKWPPTLQPPTLRPPTLQPPTLQPP
VVLGPPAPDPSPL
APPPGNPAGFRELLSEVLEPGPLPASLPPAGEQLLPD
LLISPHMLPLTDL
EIKFQYRGRPPRALTISNPHGCRLFYSQLEATQEQVEL
FGPISLEQVRFP
SPEDIPSDKQRFYTNQLLDVLD RGLILQLQGQDLYAIRL
CQCKVFWSGPC
ASAHDSCPNIQREVKTCLFSLEHFLNELILFQKGQTNT
PPPFEIFFCFG
EEWPDRKPREKKLITVQVVPVAARLLLEMFSGELSWS
ADSIRLQISNPDL
KDRMVEQFKELHHIWQSQQRLQPVAQAPPGAGLGVG
QGPWPMHPAGMQ

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Database link: [Q13568](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control	Jurkat and A549 cell lysates
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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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.3 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab175317** 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
ICC/IF		Use at an assay dependent concentration.
IHC-P		1/50 - 1/200. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/500 - 1/2000. Predicted molecular weight: 56 kDa.

Target

Involvement in disease

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.

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.

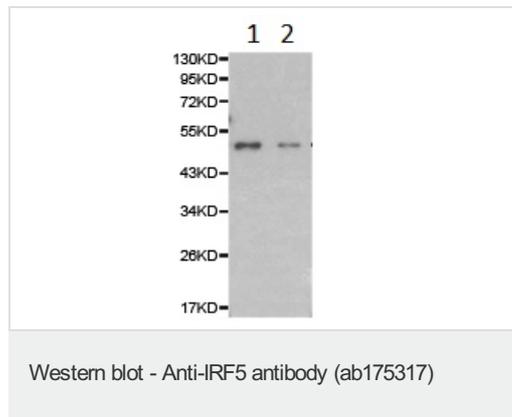
Genetic variations in IRF5 are a cause of susceptibility to rheumatoid arthritis (RA) [MIM:180300]. It is a systemic inflammatory disease with autoimmune features and a complex genetic component. It primarily affects the joints and is characterized by inflammatory changes in the synovial membranes and articular structures, widespread fibrinoid degeneration of the collagen fibers in mesenchymal tissues, and by atrophy and rarefaction of bony structures.

Sequence similarities

Belongs to the IRF family.

Contains 1 IRF tryptophan pentad repeat DNA-binding domain.

Images



All lanes : Anti-IRF5 antibody (ab175317) at 1/500 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : A549 cell lysate

Predicted band size: 56 kDa

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