

Product datasheet

Anti-IL6 antibody ab43142

画像数 1

製品の概要

製品名	Anti-IL6 antibody
製品の詳細	Mouse polyclonal to IL6 - Aminoterminal end
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Human 交差が予測される動物種: Chimpanzee, Macaque monkey 
免疫原	Recombinant fusion protein: MNSFSTSAFG PVAFSLGLLL VLPAAFPAPV PPGEDSKDVA APHRQPLTSS ERIDKQIRYI LDGISALRKE TCNKSNMCES APHRQPLTSS ERIDKQIRYI, corresponding to N terminal amino acids 1-100 of Human IL6 Run BLAST with ExPASy Run BLAST with NCBI

特記事項

This antibody was raised by a genetic immunization technique. Genetic immunization can be used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an E.coli lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: None Constituents: 50% Glycerol, Whole serum
精製度	Whole antiserum
一次抗体 備考	This antibody was raised by a genetic immunization technique. Genetic immunization can be

used to generate antibodies by directly delivering antigen-coding DNA into the animal, rather than injecting a protein or peptide (Tang et al. PubMed: 1545867; Chambers and Johnston PubMed 12910245; Barry and Johnston PubMed: 9234514). The animal's cells produce the protein, which stimulates the animal's immune system to produce antibodies against that particular protein. A vector coding for a partial fusion protein was used for genetic immunisation of a mouse and the resulting serum was tested in Western blot against an *E.coli* lysate containing that partial fusion protein. Genetic immunization offers enormous advantages over the traditional protein-based immunization method. DNA is faster, cheaper and easier to produce and can be produced by standard techniques readily amenable to automation. Furthermore, the antibodies generated by genetic immunization are usually of superior quality with regard to specificity, affinity and recognizing the native protein.

ポリ/モノ
アイソタイプ

ポリクローナル
IgG

アプリケーション

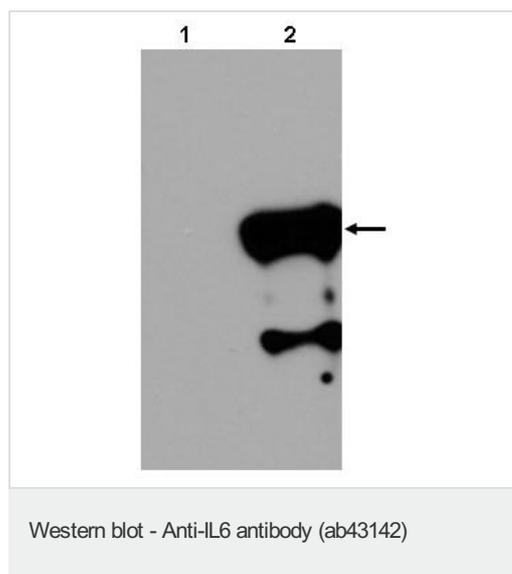
Our [Abpromise guarantee](#) covers the use of **ab43142** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 24 kDa. This antibody has been tested in Western blot against an <i>E.coli</i> lysate containing the partial recombinant fusion protein used as an immunogen. We have no data on detection of endogenous protein.

ターゲット情報

機能	Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.
関連疾患	Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis. Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.
配列類似性	Belongs to the IL-6 superfamily.
翻訳後修飾	N- and O-glycosylated.
細胞内局在	Secreted.



All lanes : Anti-IL6 antibody (ab43142) at 1/1000 dilution

Lane 1 : Total protein extract from E.coli with ~50ng to 100ng of a negative control fusion protein with an irrelevant antigen

Lane 2 : Total protein extract from E.coli with ~50ng to 500ng of the antigen fusion protein

Secondary

All lanes : Rabbit anti-mouse IgG + IgM, (H+L) horseradish peroxidase conjugated at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 24 kDa

The size of the protein band was not determined. The molecular weight of the band on the western blot does not correspond to the predicted molecular weight of the natural protein because of the additional mass of the fusion and because the fusion protein only contains a partial fragment of the gene.

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