

Anti-TYK2 antibody ab223733

KO 評価済

3 References [画像数 3](#)

製品の概要

製品名	Anti-TYK2 antibody
製品の詳細	Rabbit polyclonal to TYK2
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human
免疫原	Recombinant fragment corresponding to Human TYK2 aa 200-400. Database link: P29597
	Run BLAST with Run BLAST with
ポジティブ・コントロール	WB: PC-3 cell lysate. HEK-293, MCF-7, Jurkat cells. ICC/IF: U-2 OS cells.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
精製度	Immunogen affinity purified
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

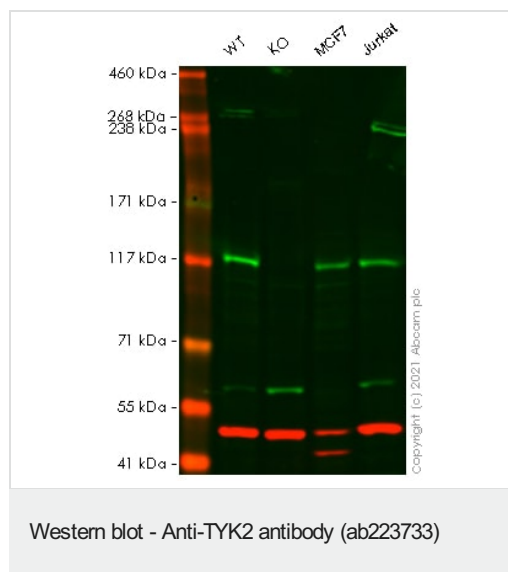
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab223733の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 134 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

ターゲット情報

機能	Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.
組織特異性	Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.
関連疾患	Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also known as autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. TYK2 deficiency consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.
配列類似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily. Contains 1 FERM domain. Contains 1 protein kinase domain. Contains 1 SH2 domain.
ドメイン	The FERM domain mediates interaction with JAKMIP1.

画像



All lanes : Anti-TYK2 antibody (ab223733)

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : TYK2 knockout HEK-293T cell lysate

Lane 3 : MCF7 cell lysate

Lane 4 : Jurkat cell lysate

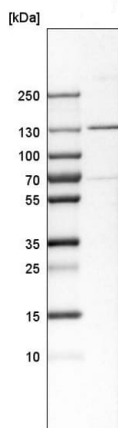
Performed under reducing conditions.

Predicted band size: 134 kDa

Observed band size: 133 kDa

False colour image of Western blot: Anti-TYK2 antibody staining at

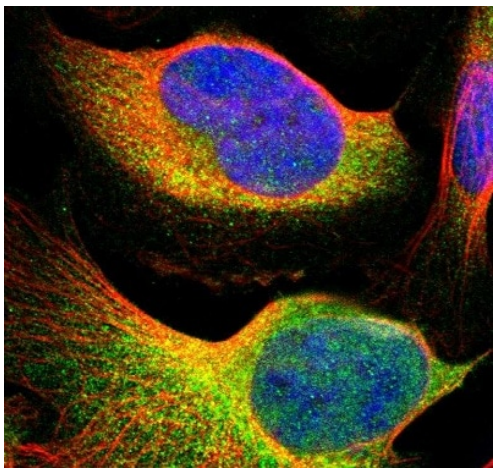
0.04 μg/ml, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab223733 was shown to bind specifically to TYK2. A band was observed at 133 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in TYK2 knockout cell line [ab266730](#) (knockout cell lysate [ab258743](#)). To generate this image, wild-type and TYK2 knockout HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 5 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4°C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed ([ab216776](#)) at 1/20000 dilution.



Western blot - Anti-TYK2 antibody (ab223733)

Anti-TYK2 antibody (ab223733) at 1/100 dilution + PC-3 (human prostate adenocarcinoma cell line) cell lysate

Predicted band size: 134 kDa



PFA-fixed, Triton X-100 permeabilized U-2 OS (human bone osteosarcoma epithelial cell line) cells stained for TYK2 (green) using ab223733 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-TYK2 antibody (ab223733)

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