

Anti-IRAK-1 antibody ab238

★★★★★ [6 Abreviews](#) [29 References](#) [画像数 4](#)

製品の概要

製品名	Anti-IRAK-1 antibody
製品の詳細	Rabbit polyclonal to IRAK-1
由来種	Rabbit
特異性	At least four isoforms of IRAK are known to exist; this antibody will detect all four isoforms. IRAK antibody is predicted to not cross-react with other members of the IRAK protein family.
アプリケーション	適用あり: WB, ICC
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human IRAK-1 aa 700-712 (C terminal). (Peptide available as ab6230)
ポジティブ・コントロール	WB: L1210 and YB2/0 cell lysates (Human, Mouse & Rat). ICC: HeLa and murine RAW 264.7 cells (Human).
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: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Affinity purified
特記事項 (精製)	Affinity chromatography purified via peptide column.
ポリ/モノ	ポリクローナル

アプリケーション

The Abpromise guarantee

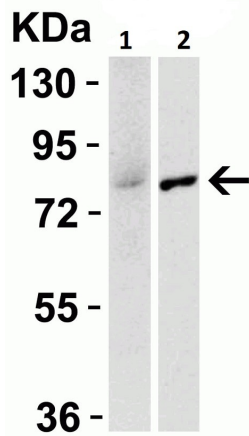
Abpromise保証は、次のテスト済みアプリケーションにおけるab238の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 77 kDa. (THP-1 or HeLa whole cell) from non-activated cells.
ICC		Use a concentration of 10 µg/ml.

ターゲット情報

機能	Binds to the IL-1 type I receptor following IL-1 engagement, triggering intracellular signaling cascades leading to transcriptional up-regulation and mRNA stabilization. Isoform 1 binds rapidly but is then degraded allowing isoform 2 to mediate a slower, more sustained response to the cytokine. Isoform 2 is inactive suggesting that the kinase activity of this enzyme is not required for IL-1 signaling. Once phosphorylated, IRAK1 recruits the adapter protein PELI1.
組織特異性	Isoform 1 and isoform 2 are ubiquitously expressed in all tissues examined, with isoform 1 being more strongly expressed than isoform 2.
配列類似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Pelle subfamily. Contains 1 protein kinase domain.
翻訳後修飾	Autophosphorylated or is transphosphorylated by IRAK4 following recruitment to the IL-1RI. In the case of isoform 1, this is linked to ubiquitination and degradation. Polyubiquitinated; after cell stimulation with IL-1-beta. Polyubiquitination occurs with polyubiquitin chains linked through 'Lys-63'.

画像



Western blot - Anti-IRAK-1 antibody (ab238)

All lanes : Anti-IRAK-1 antibody (ab238) at 1 µg/ml

Lane 1 : L1210 cell lysate

Lane 2 : YB2/0 cell lysate

Lysates/proteins at 15 µg per lane.

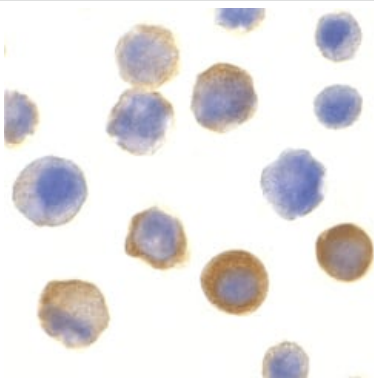
Secondary

All lanes : Goat anti-rabbit IgG HRP conjugate at 1/10000 dilution

Predicted band size: 77 kDa

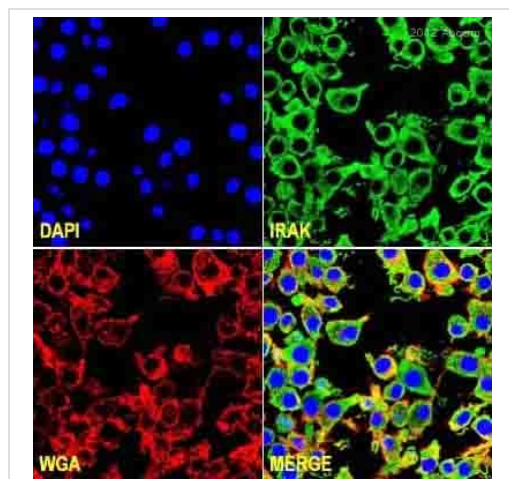
Observed band size: 77 kDa

1h incubation at RT in 5% NFDM/TBST.



Immunocytochemistry - Anti-IRAK-1 antibody
(ab238)

ab238 at 10µg/ml staining HeLa cells by ICC.



Immunocytochemistry - Anti-IRAK-1 antibody
(ab238)

Image courtesy of Dr Mahesh Shivananjappa by Abreview.

ab238 staining IRAK-1 in murine RAW 264.7 cells by Immunocytochemistry. Cells were fixed in paraformaldehyde, permeabilized using 0.1% Triton-X100 in 2% BSA for 15 minutes, blocked with 2% BSA for 1 hour at 22°C and then incubated with ab238 at a 1/150 dilution for 16 hours at 4°C. The secondary used was an Alexa-Fluor 488 conjugated chicken anti-rabbit IgG (H+L) used at a 1/1000 dilution.

Immunocytochemistry - Anti-IRAK-1 antibody
(ab238)

ICC of IRAK-1 in HeLa cells using ab238 at 20 ug/ml.

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