



Anti-RAGE antibody ab3611

★★★★★ [16 Abreviews](#) [148 References](#) [画像数 5](#)

製品の概要

製品名	Anti-RAGE antibody
製品の詳細	Rabbit polyclonal to RAGE
由来種	Rabbit
特異性	By Western blot, this antibody detects two bands in the 45 kDa range representing the RAGE protein pre and post glycosylation in Mouse lung extract. This antibody also detects an ~25 kDa protein that is believed to be proteolytic degradation product. Immunohistochemical staining of RAGE in transgenic Mouse retina results in staining of the retinal pigmented epithelium and photo receptor cell layers.
アプリケーション	適用あり: IHC-Fr, WB, IHC-P
種交差性	交差種: Mouse
免疫原	Synthetic peptide corresponding to Rat RAGE aa 350-450.  Run BLAST with ExPASy  Run BLAST with NCBI
ポジティブ・コントロール	WB: Mouse lung tissue lysate. IHC-P: Mouse lymph node, kidney and heart tissues. IHC-Fr: Transgenic mouse retina.
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 or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

アプリケーション

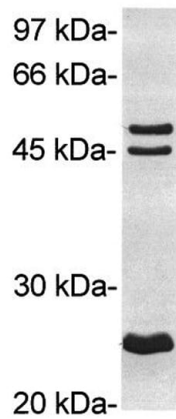
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab3611の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr	★★★★★ (1)	Use a concentration of 1 - 2 µg/ml.
WB	★★★★★ (6)	Use a concentration of 1 µg/ml. Detects a band of approximately 45 kDa (predicted molecular weight: 42.6 kDa).
IHC-P	★★★★★ (1)	1/10 - 1/100.

ターゲット情報

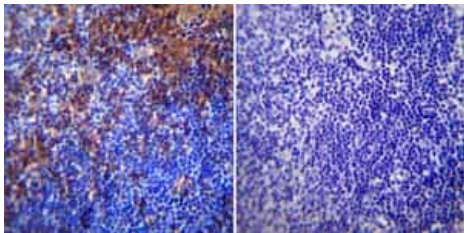
機能	Mediates interactions of advanced glycosylation end products (AGE). These are nonenzymatically glycosylated proteins which accumulate in vascular tissue in aging and at an accelerated rate in diabetes. Acts as a mediator of both acute and chronic vascular inflammation in conditions such as atherosclerosis and in particular as a complication of diabetes. AGE/RAGE signaling plays an important role in regulating the production/expression of TNF-alpha, oxidative stress, and endothelial dysfunction in type 2 diabetes. Interaction with S100A12 on endothelium, mononuclear phagocytes, and lymphocytes triggers cellular activation, with generation of key proinflammatory mediators. Interaction with S100B after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling (By similarity). Receptor for amyloid beta peptide. Contributes to the translocation of amyloid-beta peptide (ABPP) across the cell membrane from the extracellular to the intracellular space in cortical neurons. ABPP-initiated RAGE signaling, especially stimulation of p38 mitogen-activated protein kinase (MAPK), has the capacity to drive a transport system delivering ABPP as a complex with RAGE to the intraneuronal space.
組織特異性	Endothelial cells.
配列類似性	Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
細胞内局在	Secreted and Cell membrane.

画像



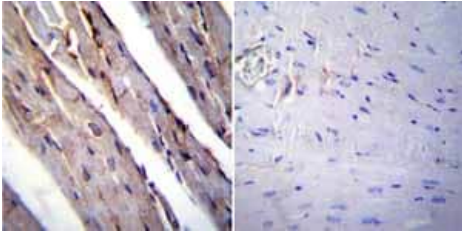
Western blot - Anti-RAGE antibody (ab3611)

ab3611 at a 2µg/ml concentration staining ~ 45 kDa RAGE in mouse lung lysate by Western blot (ECL). This antibody detects two bands in the 45 kDa range representing the RAGE protein pre and post-glycosylation in mouse lung extract. This antibody also detects an ~25 kDa protein that is believed to be proteolytic degradation product.



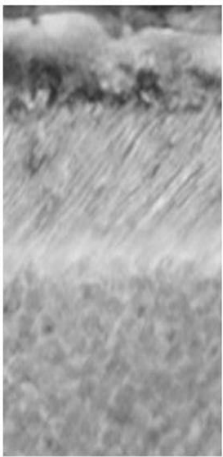
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAGE antibody (ab3611)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse lymph node tissue . To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rabbit polyclonal antibody recognizing RAGE ab3611 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAGE antibody (ab3611)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse heart tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rabbit polyclonal antibody recognizing RAGE ab3611 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

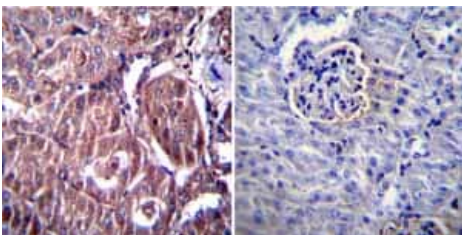


Retinal
Pigmented
Epithelium

Photoreceptor
Cell Layer

Ab3611 used in IHC (frozen) in transgenic mouse retinas.

Immunohistochemistry (Frozen sections) - Anti-RAGE antibody (ab3611)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RAGE antibody (ab3611)

Immunohistochemistry was performed on normal biopsies of deparaffinized Mouse kidney tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rabbit polyclonal antibody recognizing RAGE ab3611 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with

hematoxylin and prepped for mounting.

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