Affinity Biosciences
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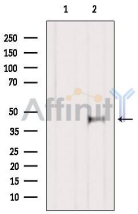
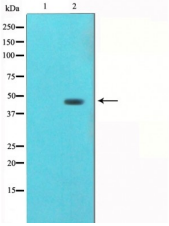
AGER（RAGE） Ab

Cat.#: AF5309	Concn.: 1mg/ml	Mol.Wt.: 42 kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

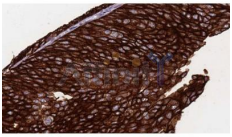
Application:	WB 1:500-1:2000,IHC 1:50-1:200,IF 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	AGER（RAGE） Ab detects endogenous levels of total AGER（RAGE）.
Immunogen:	A synthesized peptide derived from human AGER（RAGE）.
Uniprot:	Q15109
Description:	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.
Subcellular Location:	Secreted and Cell membrane.
Tissue Specificity:	Endothelial cells.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



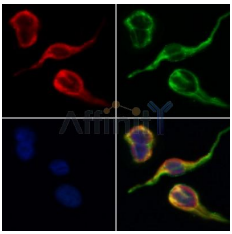
Western blot analysis of extracts from Rat lung, using AGER（RAGE） Ab. The lane on the left was treated with blocking peptide.



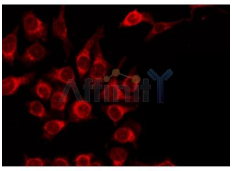
Western blot analysis of AGER□RAGE□ expression in HUVEC whole cell lysate.The lane on the left is treated with the antigen-specific peptide.



AF5309 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF5309 staining HepG2 by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF5309 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(S0006 1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(S0017 1:600 Green) were used as the secondary



AF5309 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.