

Product Datasheet

AGER Antibody (2A11) - Chimeric - Azide and BSA Free NBP3-11999-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP3-11999-0.2mg

AGER Antibody (2A11) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	2A11
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

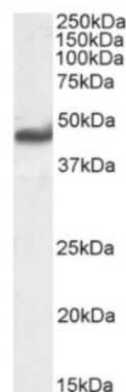
Product Description	
Host	Rabbit
Gene ID	177
Gene Symbol	AGER
Species	Human
Specificity/Sensitivity	2A11 is specific for the V-domain of human advanced glycosylation end product-specific receptor. It recognises both the glycosylated and non-glycosylated forms.
Immunogen	Human AGER protein.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Surface Plasmon Resonance
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Surface Plasmon Resonance
Application Notes	ELISA confirmed the specificity of 2A11 for the V-domain of AGER, with a binding affinity (Kd) of 7.6 nM. ELISA was also used to confirm that the binding of 2A11 to AGER is glycosylation independent. In SPR experiments the Kd of 2A11 binding to AGER was determined as 0.38 nM. Flow cytometry and immunochemistry were used to visualise the binding of 2A11 to HEK-AGER cells. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

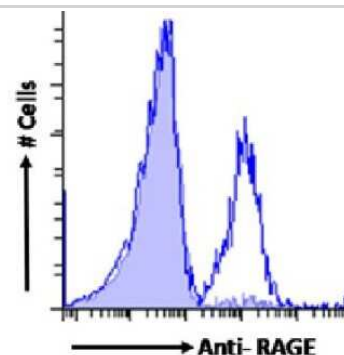


Images

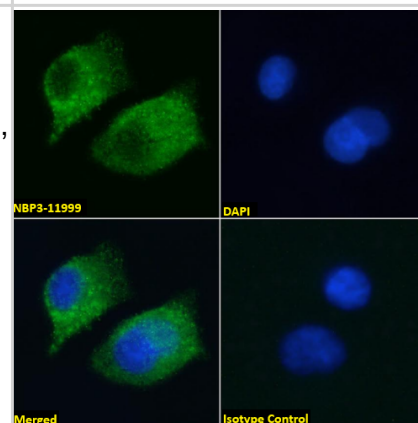
Western Blot: AGER Antibody (2A11) - Chimeric [NBP3-11999] - Human lung lysate (35ug protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric rabbit IgG version of 2A11 (NBP3-11999) at 0.03 ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



Flow Cytometry: AGER Antibody (2A11) - Chimeric [NBP3-11999] - A549 cells were stained with anti-Fluorescein IgG antibody (4-4-20; isotype control, shaded line) or the rabbit IgG version of 2A11 (NBP3-11999, blue line) at a dilution of 1:100 for 1h at RT. After washing, bound antibody was detected using a goat anti-rabbit IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunocytochemistry /Immunofluorescence: AGER Antibody (2A11) - Chimeric - Azide and BSA Free [NBP3-11999] - Immunofluorescence analysis of paraformaldehyde fixed A549 cells stained with NBP3-11999 at 10 ug/ml followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom: NBP3-11999, DAPI, merged channels and an isotype control. The isotype control was stained with anti-Fluorescein antibody (NBP2-52638) followed by Alexa Fluor(R) 488 secondary antibody.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-57198PEP	AGER Recombinant Protein Antigen

Limitations

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