

Product Datasheet

MMP-9 Antibody (4A3) - Azide and BSA Free NBP2-80855

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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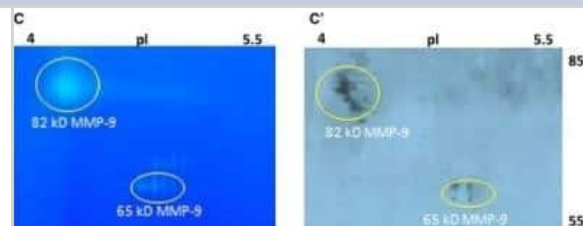
NBP2-80855

MMP-9 Antibody (4A3) - Azide and BSA Free

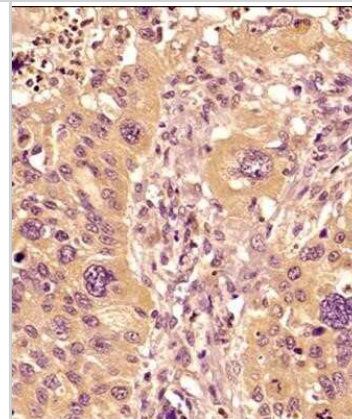
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4A3
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Tris-Glycine (pH 7.5), 0.15 M NaCl
Product Description	
Description	Novus Biologicals Mouse MMP-9 Antibody (4A3) - Azide and BSA Free (NBP2-13173) is a monoclonal antibody validated for use in IHC, WB and ELISA. Anti-MMP-9 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4318
Gene Symbol	MMP9
Species	Human, Mouse, Rat
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30772382).
Immunogen	Synthetic peptide from the N-terminus of human MMP9 [Swiss-Prot# P14780]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:100 - 1:2000, Immunohistochemistry 1:100-1:200, Immunohistochemistry-Paraffin 1:100-1:200, CyTOF-ready reported by customer review
Application Notes	In Western blot a band can be seen at 82 or 63 kDa, representing the active forms of MMP9. In IHC, cytoplasmic and extracellular staining was observed in HeLa cells. Prior to immunostaining paraffin tissues, antigen retrieval with sodium citrate buffer (pH 6.0) is recommended.

Images

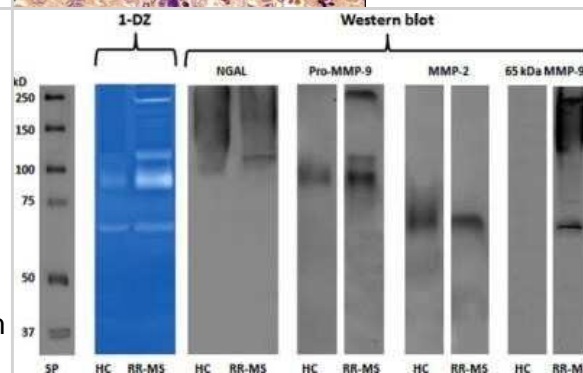
Western Blot: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - Identification of gelatinases by Western blot analysis. A pool of sera from 10 patients with inactive RR-MS was used. For 2-DZ, pooled sera were concentrated 10-fold and 40 ug of total proteins were applied (left panels). For Western blot analysis pooled sera were concentrated 40-fold and 160 ug of total proteins were subjected to 2-DE (right panels). 2-DE gels were cut and the corresponding nitrocellulose membranes were treated with anti-NGAL Ab (A'), anti-MMP-2 Ab (B') and Anti-MMP-9 (4A3) Ab, recognizing the 65 kD and the 82 kD activated forms (C'); Gel C show the region with isoelectric point between pH 4-5.5 and molecular mass between 85 and 55 kD, analysed by Western blot in C', respectively. Image collected and cropped by CiteAb from the following publication (null), licensed under a CC-BY license. Image from the standard format of this antibody.



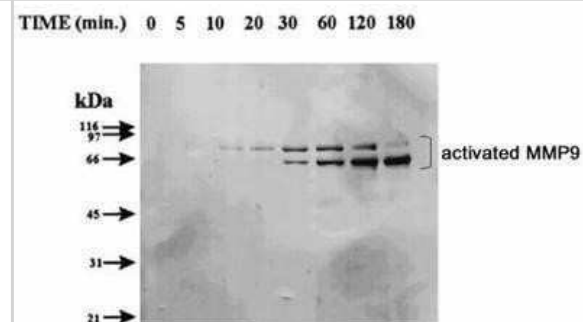
Immunohistochemistry-Paraffin: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - Analysis of a FFPE section of human esophageal cancer using MMP9 antibody (clone 4A3) at 1:200. The staining was developed with HRP-labelled secondary antibody and DAB reagent followed by hematoxylin counterstaining. This antibody clone generated an extra



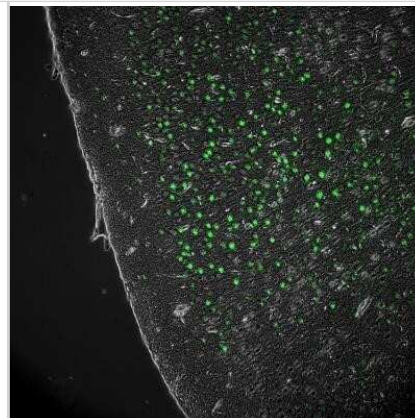
Western Blot: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - 1.5 ul of serum from healthy control (HC) or from a patient with inactive RR-MS loaded on a 7.5% polyacrylamide gel copolymerized with 0.1% (w/v) gelatin (1-DZ). 2 ul of fivefold concentrated (Vivaspin 500, MWCO 50,000; GE Healthcare) serum samples (the same as in 1-DZ) separated on a 7.5% polyacrylamide gel without gelatin (1-DE), transferred on nitrocellulose membranes & incubated with the following primary antibodies: Anti-NGAL (5G5) at 2.0 ug/ml; Anti-MMP-9 (Ab-8) (IA5) at 2.66 ug/ml; Anti-MMP-2 (Ab-4) (75-7F7) at 1.0 ug/ml & Anti-MMP-9 Ab (4A3) at 2.0 ug/ml. Image collected & cropped by CiteAb from the following publication (null), licensed under a CC-BY license. Image from the standard format of this antibody.



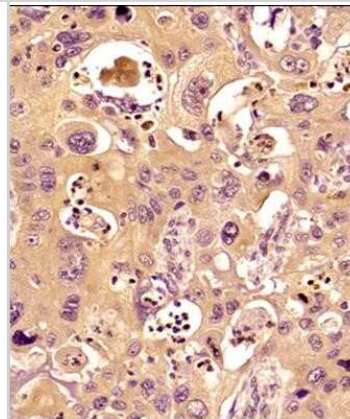
Western Blot: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - Analysis of activated MMP9 expression in MMP9 proenzyme incubated with trypsin for various times. Image from the standard format of this antibody.



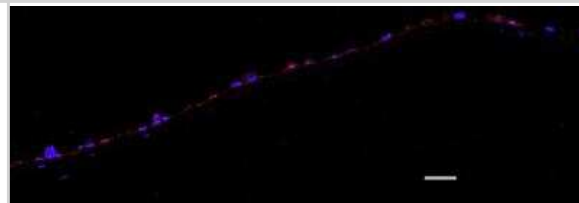
Immunohistochemistry: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - MMP-9 (green) was detected in murine brain (cortex) using MMP-9-DyLight 488 (4A3) with a concentration of 1:20 in PBS for 2 hours. MMP9-Signals are overlaped with the corresponding phase contrast image. Image from verified customer review. Image using the



Immunohistochemistry-Paraffin: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - Analysis of a FFPE tissue section of human esophageal cancer using MMP9 antibody (clone 4A3) at 1:200. The staining was developed with HRP-labelled secondary antibody and DAB reagent followed by hematoxylin counterstaining. This antibody generated a speci



CyTOF-ready: MMP-9 Antibody (4A3) - Azide and BSA Free [NBP2-80855] - Analysis of MMP-9 antibody on human tissue. MMP9 (red), nuclei (blue). Scale, 50um.



Publications

Radnaa E, Richardson L, Goldman B Et al. Stress signaler p38 mitogen-activated kinase activation: a cause for concern? Clin Sci (Lond) 2022-10-17 [PMID: 36250628] (CyTOF-ready, Human)

Details:

Citation using the Azide and BSA Free version of this antibody.

Gama Sosa MA, De Gasperi R, Pryor D et al. Low-level blast exposure induces chronic vascular remodeling, perivascular astrocytic degeneration and vascular-associated neuroinflammation Acta Neuropathol Commun 2021-10-15 [PMID: 34654480] (IF/IHC, Rat)

Details:

Citation using the Azide and BSA Free format of this antibody.



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Products Related to NBP2-80855

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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