

Product Datasheet

Vimentin Antibody (812) - Azide and BSA Free NBP2-43560

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-43560

Vimentin Antibody (812) - Azide and BSA Free

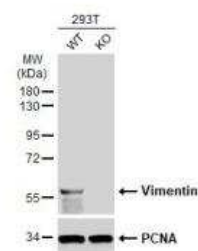
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	812
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	54 kDa

Product Description	
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Feline
Reactivity Notes	Cat (100%), Xenopus laevis (84%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human Vimentin. The exact sequence is proprietary.

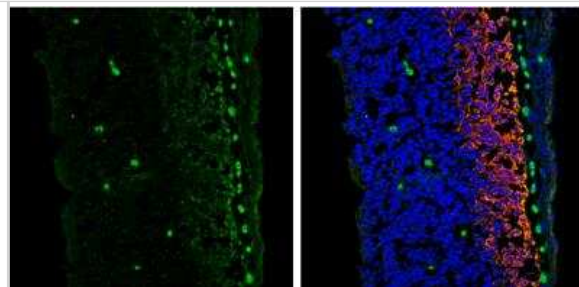
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA, Knockdown Validated, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:75000, Flow Cytometry Assay-dependent dilution, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence Assay dependent, Immunoprecipitation, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000, Sandwich ELISA, Knockout Validated, Knockdown Validated

Images

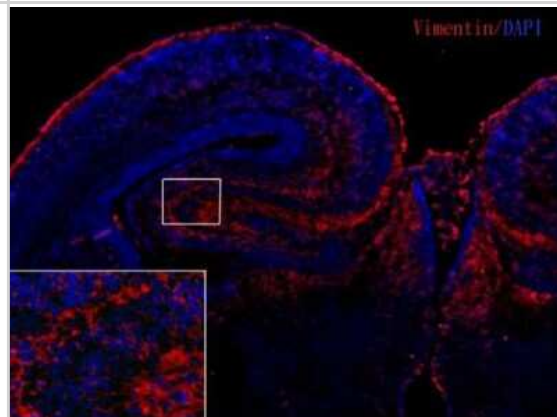
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Wild-type (WT) and Vimentin knockout (KO) 293T cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody (812) diluted at 1:5000. HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



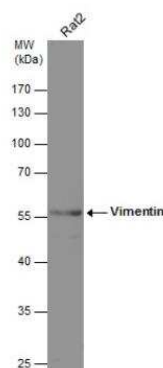
Immunohistochemistry-Frozen: Vimentin Antibody (812) [NBP2-43560] - Frozen sectioned E13.5 Rat brain. Green: Vimentin protein stained by Vimentin antibody [812] diluted at 1:250. Red: beta Tubulin 3/ TUJ1, a mature neuron marker, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:250. Blue: Fluoroshield with DAPI.



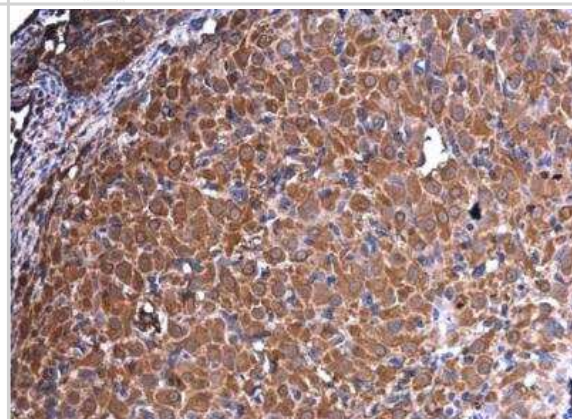
Immunohistochemistry-Frozen: Vimentin Antibody (812) [NBP2-43560] - Analysis of Frozen section of embryonic mouse brain (mE18.5). Red: Vimentin antibody [812] diluted at 1:250. Blue: DAPI.



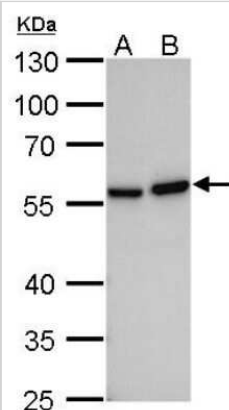
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [812]) diluted at 1:75000.



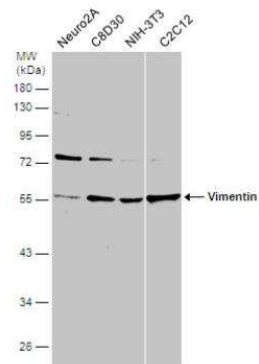
Immunohistochemistry-Paraffin: Vimentin Antibody (812) [NBP2-43560] - Rat ovary. Vimentin antibody [812] diluted at 1:250. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



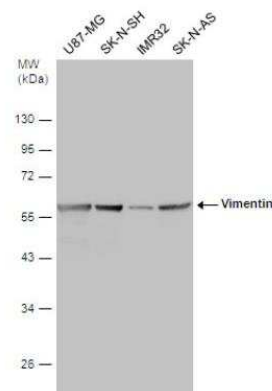
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Analysis of A. 30 ug 293T whole cell lysate/extract B. 30 ug HeLa whole cell lysate/extract
10 % SDS-PAGE Vimentin antibody [812] dilution: 1:1000



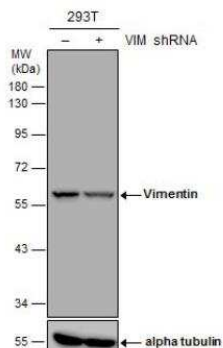
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [812] diluted at 1:3000.



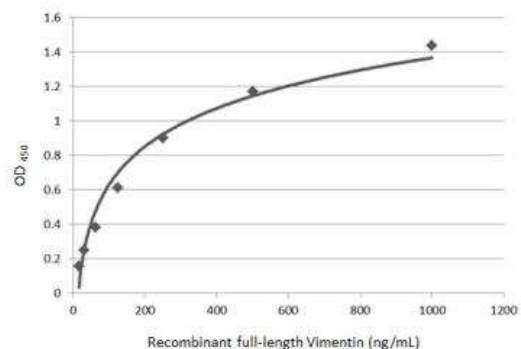
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [812] diluted at 1:5000.



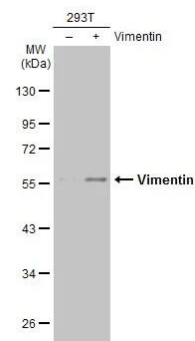
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [GT812].



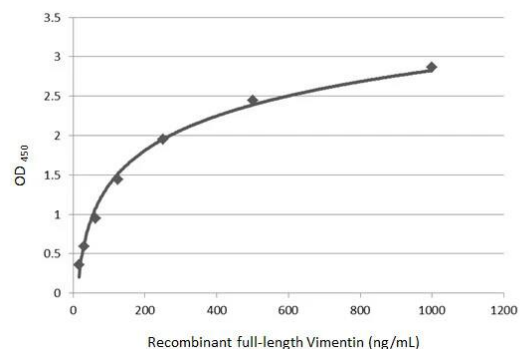
Sandwich ELISA: Vimentin Antibody (812) [NBP2-43560] - Sandwich ELISA detection of recombinant full-length Vimentin protein using Vimentin Antibody (812) as capture antibody at concentration of 5 ug/mL. HRP-conjugated rabbit IgG antibody was diluted at 1:10000 and used to detect the primary antibody.



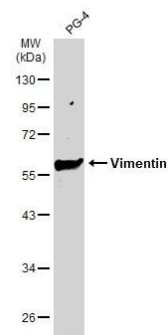
Western Blot: Vimentin Antibody (812) [NBP2-43560] - Non-transfected (-) and transfected (+) 293T whole cell extracts (10 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody [GT812] (NBP2-43560) diluted at 1:10000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody.



ELISA: Vimentin Antibody (812) [NBP2-43560] - Sandwich ELISA detection of recombinant full-length Vimentin protein using NBP2-43560 as capture antibody at concentration of 5 ug/mL and GTX100619 as detection antibody at concentration of 1 ug/mL. Rabbit IgG antibody (HRP) was diluted at 1:10000 and used to detect the primary antibody.



Western Blot: Vimentin Antibody (812) [NBP2-43560] - Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with Vimentin antibody (NBP2-43560) diluted at 1:500000. The HRP-conjugated anti-mouse IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Publications

Poole JA, Gaurav R, Schwab A et al. Post-endotoxin exposure-induced lung inflammation and resolution consequences beneficially impacted by lung-delivered IL-10 therapy Scientific reports 2022-10-15 [PMID: 36243830] (FLOW, Mouse)

Manzer HS, Villarreal RI, Doran KS Targeting the BspC-vimentin interaction to develop anti-virulence therapies during Group B streptococcal meningitis PLoS pathogens 2022-03-01 [PMID: 35316308]

Swoger M, Gupta S, Charrier EE et al. Vimentin Intermediate Filaments Mediate Cell Morphology on Viscoelastic Substrates ACS applied bio materials 2022-01-07 [PMID: 34995457] (ICC/IF)

Kaul A, Kuthethur R, Ishida Y et al. Molecular Insights into the Antistress Potentials of Brazilian Green Propolis Extract and Its Constituent Artepillin C Molecules 2021-12-23 [PMID: 35011307]

Gabra N Circumferential tracheal replacement using 3D polycaprolactone scaffold and adipose derived mesenchymal stromal cells Thesis 2021-01-01 (IHC-Fr)





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Products Related to NBP2-43560

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBP2-35139-100ug	Recombinant Human Vimentin Protein

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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