

Product Datasheet

IKK beta Antibody (10AG2) - Azide and BSA Free NBP2-80788

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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NBP2-80788

IKK beta Antibody (10AG2) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10AG2
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	86.564 kDa

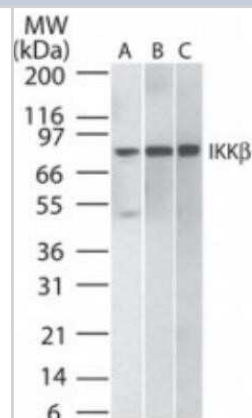
Product Description	
Description	Novus Biologicals Mouse IKK beta Antibody (10AG2) - Azide and BSA Free (NB100-56509) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF, Simple Western and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3551
Gene Symbol	IKBKB
Species	Human, Mouse, Rat
Immunogen	A full-length human IKKb recombinant protein was used to immunize mice (NP_001547).

Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, CyTOF-ready
Recommended Dilutions	Western Blot 2 - 4 ug/ml, Simple Western 1:12.5, Flow Cytometry 0.25 - 0.5 ug/ 10 ⁶ cells, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 2-5 ug/ml. Use reported in scientific literature (PMID 24825920), Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin reported in scientific literature (Page et al), Immunoblotting reported in scientific literature (PMID 20103608), CyTOF-ready
Application Notes	In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:12.5. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. This antibody is CyTOF ready.

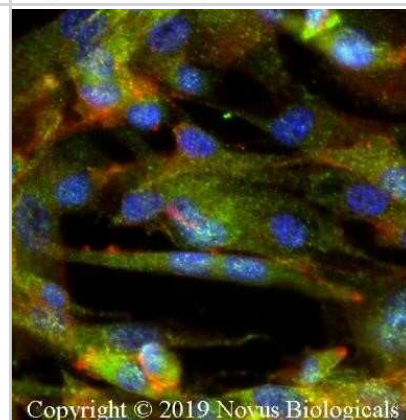


Images

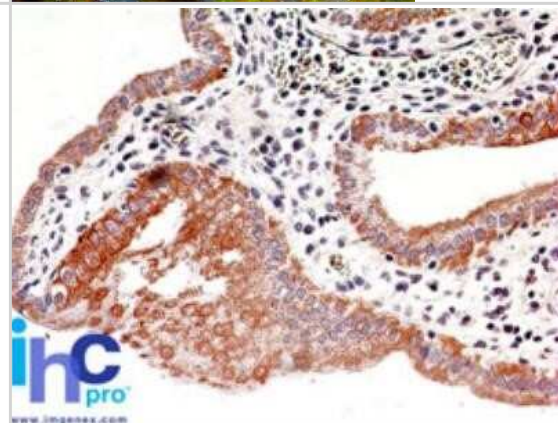
Western Blot: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Analysis of A) human Daudi, B) HeLa, and C) mouse NIH3T3 lysate probed with IKKbeta antibody at 2 ug/ml. Image from the standard format of this antibody.



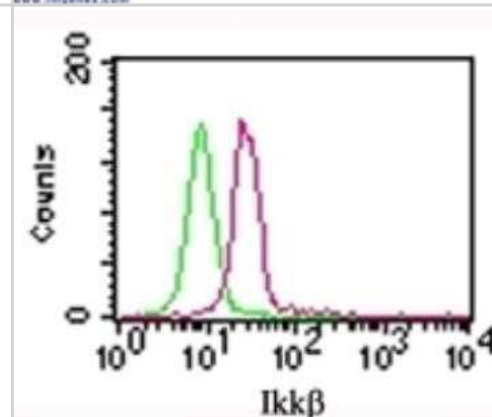
Immunocytochemistry/Immunofluorescence: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - U-87 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-IKK beta Antibody (10AG2) at 2 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



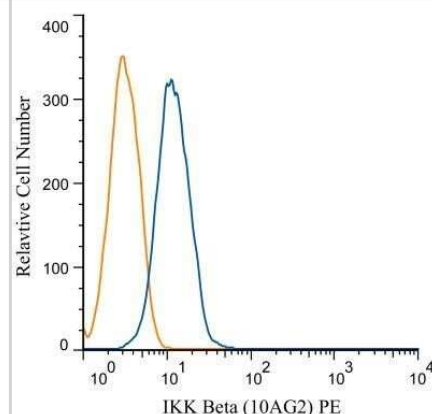
Immunohistochemistry-Paraffin: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Human gall bladder probed with IKKbeta antibody at 5 ug/ml. Human tissue TMA was used for this test. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT f



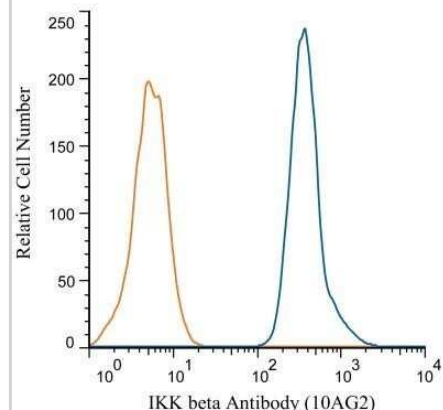
Flow Cytometry: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Intracellular staining of HEK293 cells with 0.5 ug of IKKbeta antibody (red) and 0.5 ug of isotype control antibody (20109, green). Intracellular flow kit was used for this test, and an anti-mouse IgG1 PE conjugated secondary. Image from the standard format of this antibody.



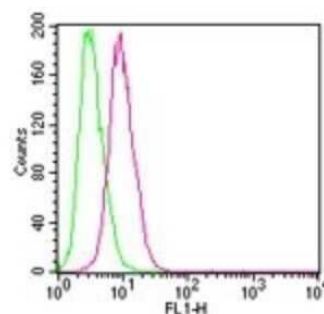
Flow Cytometry: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Analysis of PE conjugate of NB100-56509. An intracellular stain was performed on Jurkat cells with IKK Beta antibody (10AG2) NB100-56509PE (blue) and a matched isotype control NBP2-27287AF488 (orange). Cells were fixed with 4% PFA and then permeablized.



Flow Cytometry: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Analysis using Alexa Fluor (R) 647 conjugate of NB100-56509. An intracellular stain was performed on HeLa cells with IKK beta antibody (10AG2) NB100-56509 (blue) and a matched isotype control NBP2-27287 (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. 1 ug of antibody was added to 100 uL of staining buffer and cells were incubated for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 647.



Flow Cytometry: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Analysis using the Alexa Fluor (R) 488 conjugate of NB100-56509. Staining of IKKbeta in HEK 293 cells using 0.1 ug of Alexa Fluor 488-conjugated antibody. Green histogram represents the isotype control, red represents the IKKbeta antibody.



Simple Western: IKK beta Antibody (10AG2) - Azide and BSA Free [NBP2-80788] - Lane view shows a specific band for IKK beta in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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Products Related to NBP2-80788

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB600-477PEP	IKK beta Antibody Blocking Peptide

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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