

Product Datasheet

NFkB p105/p50 Antibody (2J10D7) - BSA Free NB100-56583

Unit Size: 0.1 mg

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

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NB100-56583

NFKB p105/p50 Antibody (2J10D7) - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2J10D7
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description

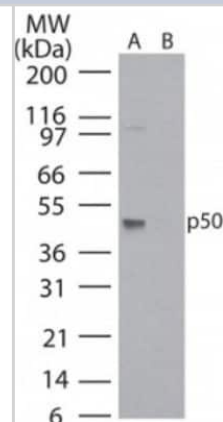
Host	Mouse
Gene ID	4790
Gene Symbol	NFKB1
Species	Human, Rat, Rabbit
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (86%), Rat (86%). Rat reactivity reported in scientific literature (PMID:31850807).
Immunogen	A portion of amino acids 150-200 of human NF-kB (p50) was used as the immunogen.

Product Application Details

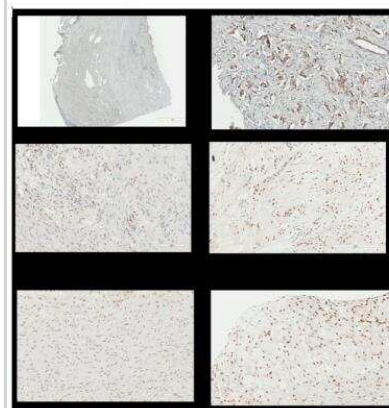
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 2-5 ug/ml, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml, Knockout Validated

Images

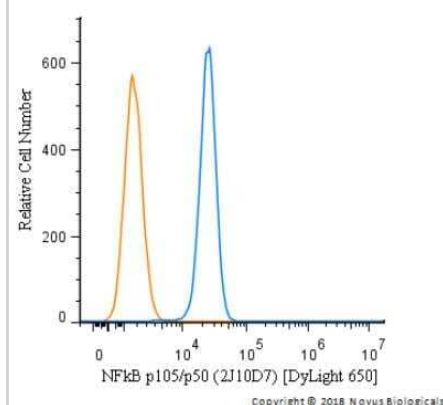
Western Blot: NFKB p105/p50 Antibody (2J10D7) [NB100-56583] - Analysis of p50 in HeLa lysate in the A) absence and B) presence of immunizing peptide using p50 antibody at 5 ug/ml.



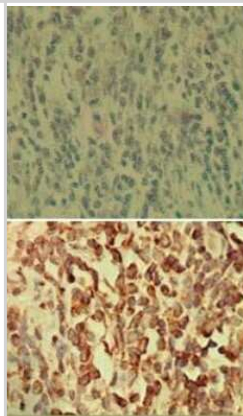
Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody (2J10D7) [NB100-56583] - IHC-P of rabbit aorta using NB100-56583. Secondary antibody: anti-mouse histofine (Nisherei Bioscience Inc. ref: 414131F). Development: DAB (Dako ref: K346811-2) and counterstained with Hematoxylin. Submitted via verified customer review



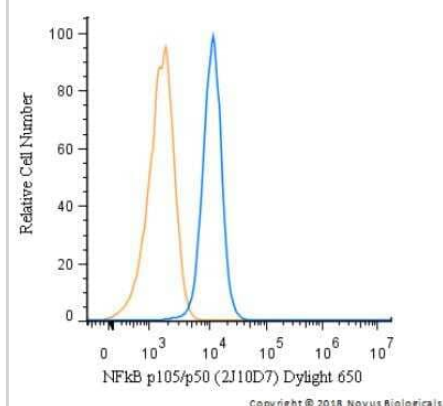
Flow Cytometry: NFkB p105/p50 Antibody (2J10D7) [NB100-56583] - An intracellular stain was performed on U937 cells with NFkB p105/p50 [2J10D7] Antibody NB100-56583C (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 650.



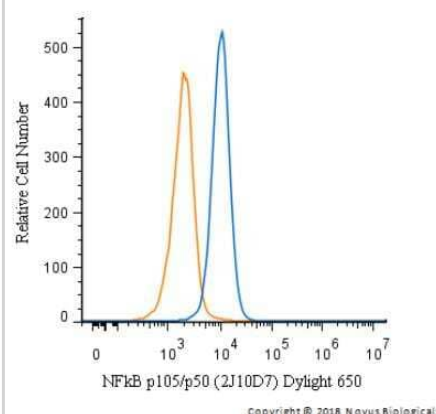
Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody (2J10D7) [NB100-56583] - analysis of human breast tumor tissue using an isotype control antibody (top) and p50 antibody (bottom) at 5 ug/ml.



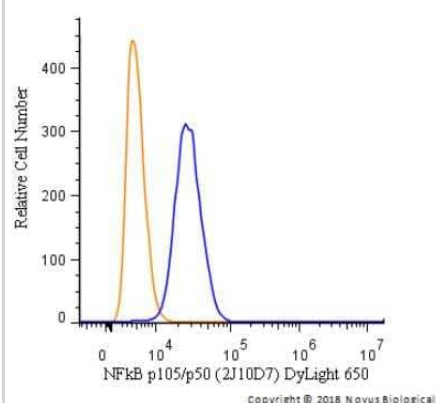
Flow Cytometry: NFkB p105/p50 Antibody (2J10D7) [NB100-56583] - An intracellular stain was performed on Jurkat cells with NFkB p105/p50 Antibody (2J10D7) NB100-56583C (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes. Both antibodies were conjugated to Dylight 650.



Flow Cytometry: NFkB p105/p50 Antibody (2J10D7) [NB100-56583] - An intracellular stain was performed on HeLa cells with NFkB p105/p50 Antibody (2J10D7) NB100-56583C (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes. Both antibodies were conjugated to Dylight 650.



Flow Cytometry: NFkB p105/p50 Antibody (2J10D7) [NB100-56583] - An intracellular stain was performed on U2-OS cells with NFkB p105/p50 [2J10D7] Antibody NB100-56583C (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 650.



Publications

Apriawan T, Widjiati W, Utomo DN et al. Periosteum-induced ossification effect in skull defect through interleukin-8 and NF-kappa B pathway: An experimental study with Oryctolagus cuniculus rabbits Surgical neurology international 2022-04-15 [PMID: 35509533] (IF/IHC, Rabbit)

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).

Kurt B, Ozleyen A, Antika G et al. Multitarget Profiling of a Strigolactone Analogue for Early Events of Alzheimer's Disease: In Vitro Therapeutic Activities against Neuroinflammation ACS Chem Neurosci 2020-02-19 [PMID: 32017526]

Duran Y, Karaboga I Effect of hesperetin on systemic inflammation and hepatic injury after blunt chest trauma in rats Biotech Histochem 2019-12-18 [PMID: 31850807] (IF/IHC, Rat)

Santhi WS, Sebastian P, Varghese BT et al. NF-kappaB and COX-2 during oral tumorigenesis and in assessment of minimal residual disease in surgical margins. Exp Mol Pathol. 2006-10-01 [PMID: 16822500]

Details:

Products used (human): 1. IkBa [IMG-127A]: IHC paraffin (normal oral mucosa, leukoplakia, and oral cancer), Fig. 1 IHC paraffin analysis (normal oral mucosa, leukoplakia, and oral cancer), Fig. 2 IHC paraffin (oral cancer: primary tumor, surgical margin,



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Products Related to NB100-56583

NB800-PC1	HeLa Whole Cell Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
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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