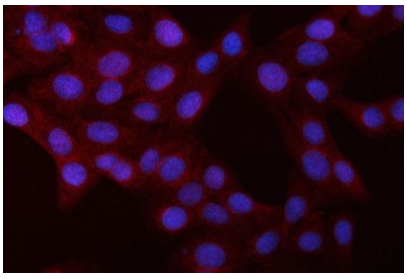
p50 Antibody / p105 / NFKB1 (R31569)

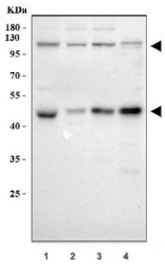
Catalog No.	Formulation	Size
R31569	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

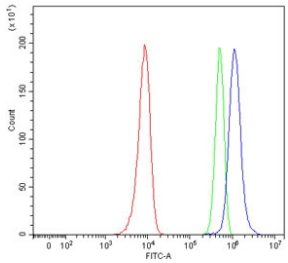
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P19838
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Immunofluorescence: 5ug/ml
Limitations	This p50 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with p50 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Raji, 2) SH-SY5Y, 3) HeLa and 4) Jurkat cell lysate with p50 antibody. Expected molecular weight: 50 kDa / 105 kDa.



Flow cytometry testing of human HeLa cells with p50 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= p50 antibody.

Description

Nuclear factor NF-kappa-B p105/p50, also called EBP-1 is a protein that in humans is encoded by the NFKB1 gene. By fluorescence in situ hybridization, the gene was assigned to human chromosome 4q24. NFKB1 is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NFKB1 appears to have dual functions such as cytoplasmic retention of attached NFKB1 proteins by p105 and generation of p50 by a cotranslational processing.

Application Notes

Titration of the p50 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 1-360) was used as the immunogen for this p50 antibody.

Storage

The p50 antibody can be stored at 4oC to -20oC. After reconstitution, aliquot and store at -20oC. Avoid repeat freeze/thaws.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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