

NFkB p100 Rabbit mAb

Catalog No: #49633



Package Size: #49633-1 50ul #49633-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

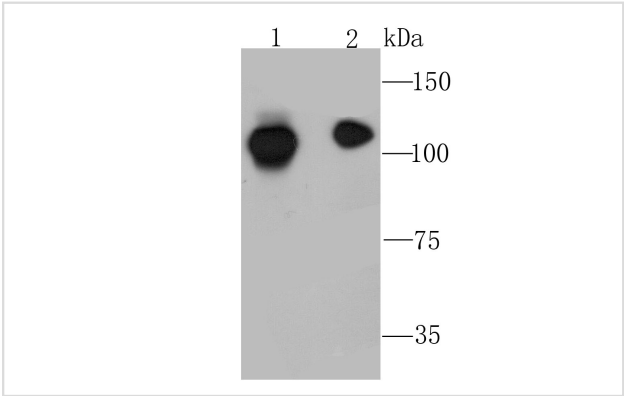
Description

Product Name	NFkB p100 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM82-03
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant protein
Conjugates	Unconjugated
Other Names	CVID10 antibody DNA binding factor KBF2 antibody H2TF1 antibody Lymphocyte translocation chromosome 10 protein antibody LYT 10 antibody NF kB2 antibody NFkB p52/p100 subunit antibody Nuclear factor Kappa B subunit 2 antibody Nuclear factor of kappa light polypeptide gene enhancer in B cells 2 (p49/p100) antibody Nuclear factor of kappa light polypeptide gene enhancer in B cells 2 antibody Oncogene Lyt 10 antibody p100 antibody Transcription factor NFkB2 antibody
Accession No.	Swiss-Prot#:Q00653
Calculated MW	100 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

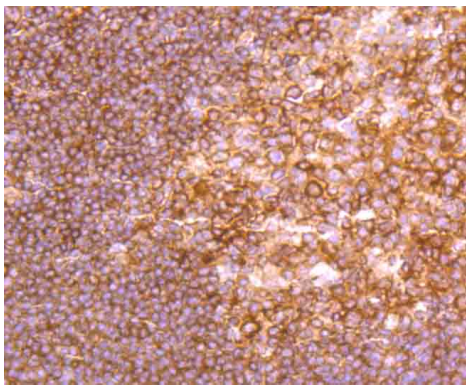
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

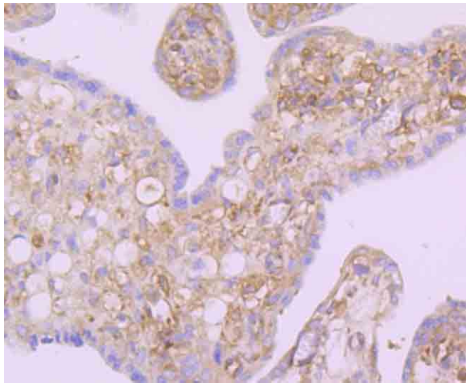
Images



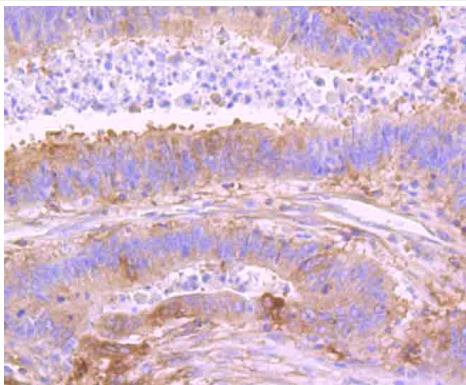
Western blot analysis of NFkB p100 on Hela (1) and MCF-7 (2) cell using anti-NFkB p100 antibody at 1/1,000 dilution.



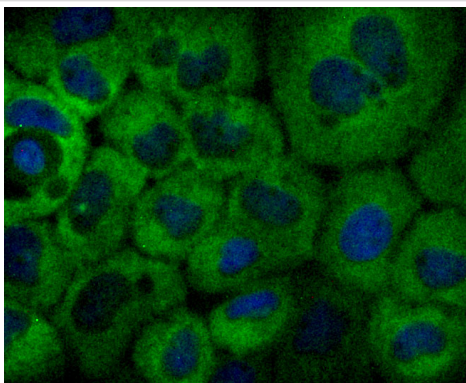
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-NFkB p100 antibody. Counter stained with hematoxylin.



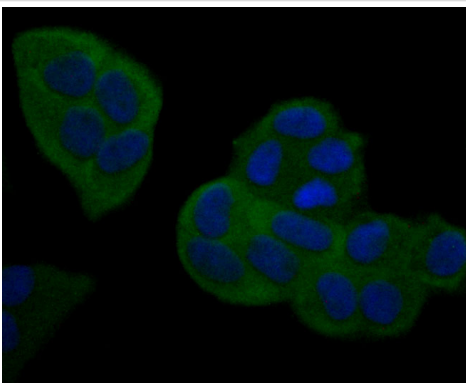
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-NFkB p100 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-NFkB p100 antibody. Counter stained with hematoxylin.



ICC staining NFkB p100 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining NFkB p100 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

NFKB2 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p100 and generation of p52 by a cotranslational processing. The proteasome-mediated process ensures the production of both p52 and p100 and preserves their independent function. p52 binds to the kappa-B consensus sequence 5'-GGRNNYYCC-3', located in the enhancer region of genes involved in immune response and acute phase reactions. p52 and p100 are respectively the minor and major form; the processing of p100 being relatively poor. Isoform p49 is a subunit of the NF-kappa-B protein complex, which stimulates the HIV enhancer in synergy with p65.

References

1. Basu, A. et al. Vanadium(III)-L-cysteine protects cisplatin-induced nephropathy through activation of Nrf2/HO-1 pathway. Free radical research 50: 39-55 (2016).
2. Wu, SM. et al. Melatonin set out to ER stress signaling thwarts epithelial mesenchymal transition and peritoneal dissemination via Calpain-mediated C/EBP β and NFkB cleavage. Journal of pineal research (2015).

Published Papers

Sijing Liu;Kai Li;Changhai Long;Mingwu Lao;Biao Ma;Changquan Liu;Haoyuan He;Chunjiang Wang;Wangzhu Chen;Bin Yu et al., The role of FTO in m6A RNA methylation and immune regulation in Staphylococcus aureus infection-related osteomyelitis., , (2025)

[PMID:39980685](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.