

# NF- $\kappa$ B Family Member Antibody Sampler Kit

Cat# AK0203

Upon receipt, store at -20°C. Avoid freeze/thaw cycles.

## PRODUCT DESCRIPTION

Transcription factors of the nuclear factor  $\kappa$  B (NF- $\kappa$  B)/Rel family play a pivotal role in inflammatory and immune responses. There are five family members in mammals: RelA, c-Rel, RelB, NF- $\kappa$  B1 (p105/p50), and NF- $\kappa$  B2 (p100/p52). Both p105 and p100 are proteolytically processed by the proteasome to produce p50 and p52, respectively. Rel proteins bind p50 and p52 to form dimeric complexes that bind DNA and regulate transcription. In unstimulated cells, NF- $\kappa$  B is sequestered in the cytoplasm by I $\kappa$  B inhibitory proteins. NF- $\kappa$  B-activating agents can induce the phosphorylation of I $\kappa$  B proteins, targeting them for rapid degradation through the ubiquitin-proteasome pathway and releasing NF- $\kappa$  B to enter the nucleus where it regulates gene expression. NIK and IKK $\alpha$  (IKK1) regulate the phosphorylation and processing of NF- $\kappa$  B2 (p100) to produce p52, which translocates to the nucleus).

## PRODUCT INCLUDES

Cat No.	Product name	Quantity	Applications	Reactivity	Host
A340404	NF $\kappa$ B-p65 Polyclonal Antibody	20 $\mu$ L	WB, ELISA	Human, Mouse, Rat	Rabbit
A340130	RELB Polyclonal Antibody	20 $\mu$ L	WB, ELISA	Human, Mouse	Rabbit
A340489	c-Rel Polyclonal Antibody	20 $\mu$ L	WB, IHC, ELISA	Human	Rabbit
A340607	NF $\kappa$ B-p105/p50 Polyclonal Antibody	20 $\mu$ L	WB, IHC, IF, ELISA	Human, Mouse	Rabbit
A340606	NF $\kappa$ B-p100 Polyclonal Antibody	20 $\mu$ L	WB, IHC, IF, IP, ELISA	Human, Mouse, Rat	Rabbit
A1013s	Goat Anti-Rabbit IgG (H+L) (peroxidase/HRP conjugated)	120 $\mu$ L	WB, ELISA	Rabbit	Goat

## PRODUCT USE LIMITATION

These products are intended for research use only.