www.abwizbio.com Support: info@abwizbio.com Order: sales@abwizbio.com

Store at: 2-8^oC

Catalog: #2210

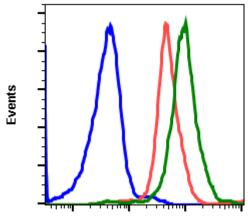
For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGk
Format:	SureLight 488		
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.		
Formulation:	1X PBS, 0.09% NaN3, 0.2% BSA		
Preparation:	Protein A+G		
Reactivity:	Human,Mouse		
Recommended Usage:	For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.		
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Ser552 of human phospho RelB		
Description:	RelB contains the Rel homology Domain (RHD) shared by all members of the NF- kB family (1). It is best known for its roles in lymphoid development, DC biology, and noncanonical signaling (2). RelB is a major contributor to chromatin biology, frequently functioning as a dual transcription factor that silences sets of genes by generating silent facultative heterochromatin and activates euchromatin of others (3). RelB is required to repress immediate-response proinflammatory genes during endotoxin tolerance (4). The N-terminal leucine zipper motif of RelB, a motif unique among the NF-κB family, may associate with more diverse DNA sequences than other NF-κB members (5). RelB binds to DNA but only after forming a heterodimer with NF-kB p50 or p52 (6).		
	Like all NF-kB members, RelB co RHD. This region supports many binding, dimerization, and nucle members, has an N-terminal leu interact with many proteins (8). inhibitor (9), where it sequester phosphorylated rapidly at threo N-terminus and its degradation are mediated by glycogen synth phospho RelB phosphorylation a occur when phospho RelB is pho association with and stabilizatio	of the NF-kB essential func- ear localization (7). RelB, un- picine zipper motif (1), a dom p100, the C-terminus of NF s RelB in the cytosol to repri- nine 84 and serine 552, cau by the proteasome (10). The pase kinase-3 β , specific inhi- and degradation (11). This co- pisphorylated at serine 368,	ctions, such as DNA like other NF-kB nain that can typically F-kB2 acts as a RelB ress its activity. RelB is using cleavage at the lese phosphorylations bition of which blocks degradation does not



References:

- 1. Ryseck R P et al., (1992), Cell. Biol. 12, 674-684.
- 2. Vallabhapurapu S., and Karin M. (2009), Annu. Rev. Immunol. 27, 693-733.
- 3. McCall C E and Yoza B K, (2007) Am. J. Respir. Crit. Care Med. 175, 763-767.
 - 4. Yoza B K et al., (2006) J. Immunol. 177, 4080-4085.
 - 5. Liu T F et al., (2011) J. Biol. Chem. 286, 9856-9864.
 - 5. Moorthy AK et al., (2007) J. Mol. Biol. 373, 723-734.
 - 6. Bours V et al., (1994) Oncogene 9, 1699-1702.
 - 7. Baldwin A. S., Jr., (1996) Annu. Rev. Immunol. 14, 649-683.
 - 8. Alber T. (1992), Curr. Opin. Genet. Dev. 2, 205-210.
 - 9. Dobrzanski P et al., (1993), Mol. Cell. Biol. 13, 1572–1582.
 - 10 Marienfeld R et al., (2001), Oncogene 20, 8142-8147.
 - 11. Neumann M. Et al., (2011), Oncogene 30, 2485–2492.
 - 12 Maier HJ et al., (2003), J. Biol. Chem. 278, 39242-39250.



Phospho-RelB (S552) SureLight

Flow cytometric analysis of Daudi secondary antibody only negative control (blue) or untreated (red) or treated with TPA (green) using Phospho-RelB (Ser552) SureLight488-conjugated antibody RelBS552-A7. Cat. #2210.

