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Datasheet for ABIN6255382 anti-c-Rel antibody (pSer503)

18 Images



Overview

Quantity:	100 µL
Target:	c-Rel
Binding Specificity:	pSer503
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This c-Rel antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human Rel around the phosphorylation site of Ser503.
Isotype:	lgG
Specificity:	Phospho-Rel (Ser503) Antibody detects endogenous levels of Rel only when phosphorylated at Serine 503.
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	c-Rel
Alternative Name:	REL (c-Rel Products)

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Target Details	
Background:	Description: Proto-oncogene that may play a role in differentiation and lymphopoiesis. NF-
	kappa-B is a pleiotropic transcription factor which is present in almost all cell types and is
	involved in many biological processed such as inflammation, immunity, differentiation, cell
	growth, tumorigenesis and apoptosis. NF-kappa-B is a homo- or heterodimeric complex formed
	by the Rel-like domain-containing proteins RELA/p65, RELB, NFKB1/p105, NFKB1/p50, REL and
	NFKB2/p52. The dimers bind at kappa-B sites in the DNA of their target genes and the
	individual dimers have distinct preferences for different kappa-B sites that they can bind with
	distinguishable affinity and specificity. Different dimer combinations act as transcriptional
	activators or repressors, respectively. NF-kappa-B is controlled by various mechanisms of post-
	translational modification and subcellular compartmentalization as well as by interactions with
	other cofactors or corepressors. NF-kappa-B complexes are held in the cytoplasm in an inactive
	state complexed with members of the NF-kappa-B inhibitor (I-kappa-B) family. In a conventional
	activation pathway, I-kappa-B is phosphorylated by I-kappa-B kinases (IKKs) in response to
	different activators, subsequently degraded thus liberating the active NF-kappa-B complex
	which translocates to the nucleus. The NF-kappa-B heterodimer RELA/p65-c-Rel is a
	transcriptional activator.
	Gene: REL
Molecular Weight:	78kDa

Molecular Weight:	78kDa
Gene ID:	5966
UniProt:	Q04864

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:100-1:500, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

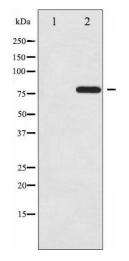
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

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Handling

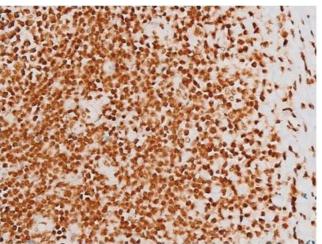
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Images



Western Blotting

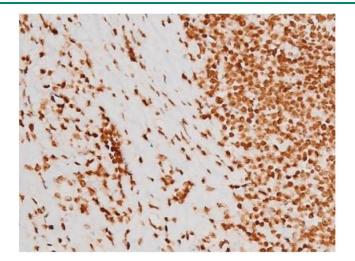
Image 1. Western blot analysis of Rel phosphorylation expression in MDA-MB-435 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6267604 at 1/200 staining Human tonsil tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

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Immunohistochemistry

Image 3. ABIN6267604 at 1/200 staining Human tonsil tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the product details page for more images. Overall 18 images are available for ABIN6255382.