Product Datasheet

p65 Antibody / NF-kB (orb2636839)

Description	Proteins encoded by the v-Rel viral oncogene and its cellular homolog, c-Rel, are members of a family of transcription factors that include the two subunits of the transcription factor N B (p50 and p65) and the Drosophila maternal morphogen, dorsal. Both proteins specifically bind to DNA sequences that are the same or slight variations of the 10 bp B sequence in the immunoglobulin light chain enhancer. This same sequence is also present in a number of other cellular and viral enhancers. The DNA binding activity of NF B is activated and NF B is subsequently transported from the cytoplasm to the nucleus in cells exposed to mitogens or growth factors. cDNAs encoding precursors for two distinct proteins of the same size have been described, designated p105 and p100. The p105 precursor contains p50 at its N-terminus and a C-terminal region that when expressed as a separate molecule, designated pdI, binds to p50 and regulates its activity.
Species/Host	Mouse
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	FACS, IF, WB
Immunogen	Recombinant full-length human Transcription factor p65 protein was used as the immunogen for the RELA antibody.
Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin (US sourced), 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the RELA antibody should be determined by the researcher.
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide
Isotype	Mouse IgG1

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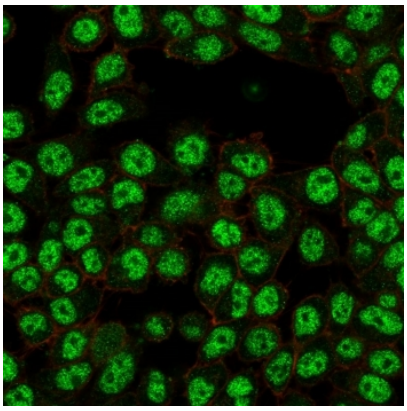
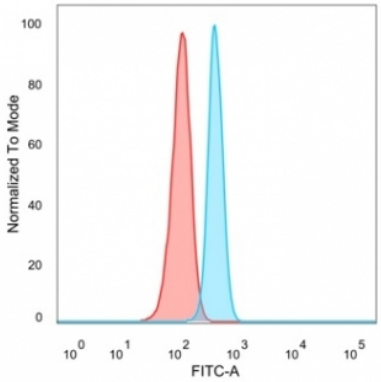
Clonality	Monoclonal
Clone Number	PCRP-RELA-2B6
Antibody Type	Primary Antibody
Purity	Protein A/G affinity
Uniprot ID	**Q04206**
Hazard Information	This RELA antibody is available for research use only.
Dilution Range	Flow cytometry: 1-2ug/million cells,Immunofluorescence: 1-2ug/ml,Western blot: 1-2ug/ml
Expiration Date	12 months from date of receipt.



Immunofluorescent staining of PFA-fixed human HeLa cells using RELA antibody (green, clone PCRP-RELA-2B6) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with RELA antibody (blue, clone PCRP-RELA-2B6) and isotype control (red).

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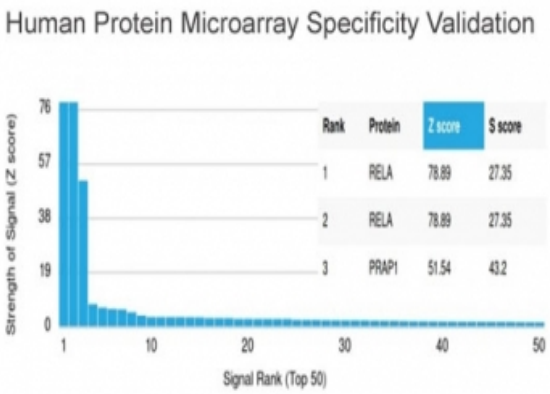
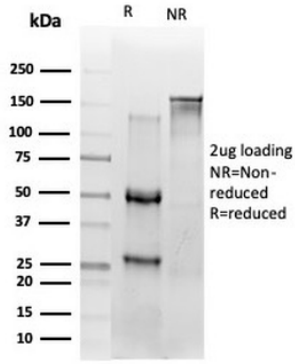


Analysis of HuProt (TM) microarray containing more than 19000 full-length human proteins using RELA antibody (clone PCRP-RELA-2B6). These results demonstrate the foremost specificity of the PCRP-RELA-2B6 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt (TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt (TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free RELA antibody (PCRP-RELA-2B6) as confirmation of integrity and purity.

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