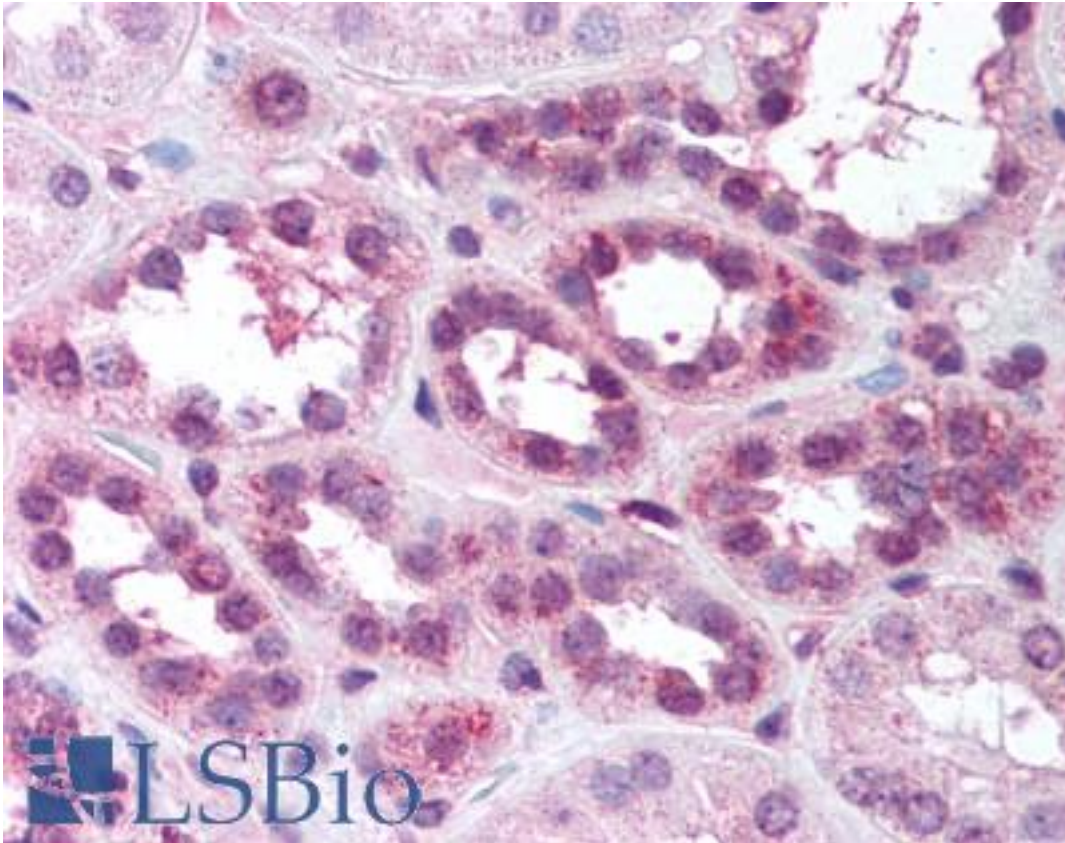


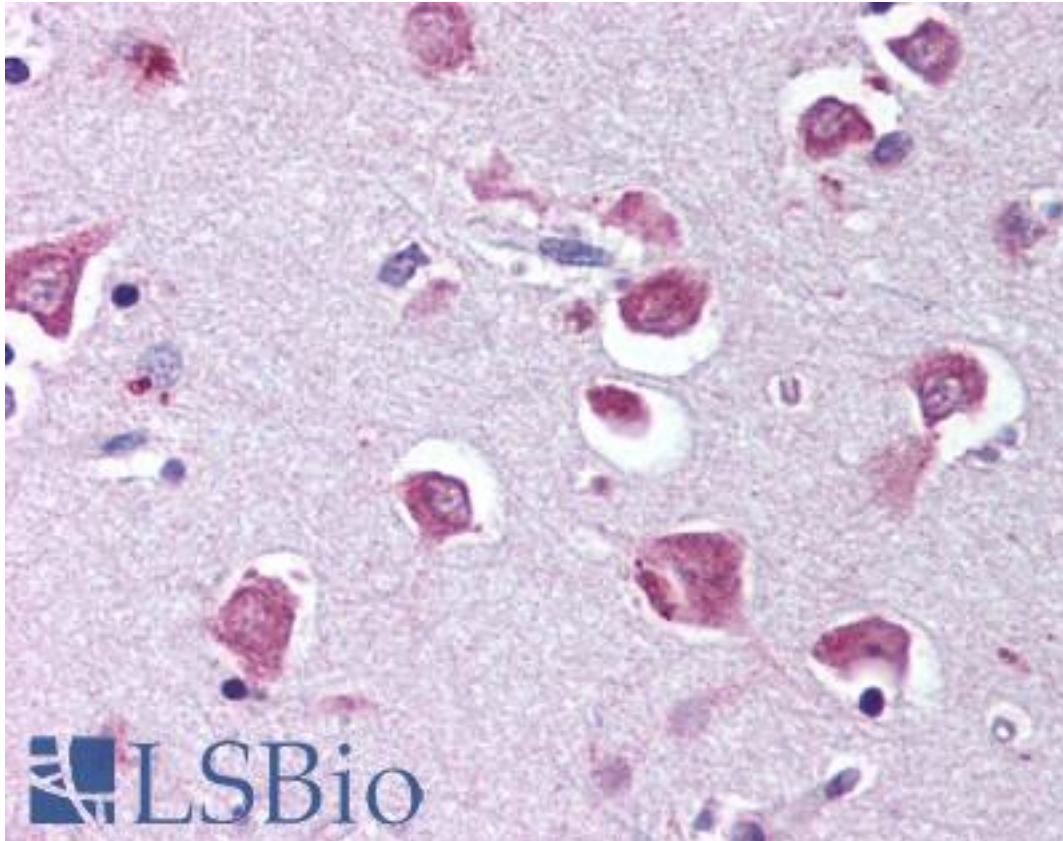
RELA / NFkB p65 Rabbit anti-Human Polyclonal (pSer529) Antibody - LS-B652 - LSBio	
<b>CatalogID:</b>	LS-B652
<b>Validation:</b>	This antibody replaces catalog number LS-C18901. It has been validated for use in the following assays: IHC.
<b>Target:</b>	v-rel avian reticuloendotheliosis viral oncogene homolog A (RELA)
<b>Synonyms:</b>	RELA Antibody, NF-kappa-B p65delta3 Antibody, NFkB3 Antibody, p65 Antibody, Transcription factor p65 Antibody
<b>Host</b>	RELA antibody was produced in Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	RELA / NFkB p65 antibody was raised against Human
<b>Specificity:</b>	NFkB p65 (Rel A) peptide corresponding to a region near phospho Serine 529 of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH). Sequence information: PNGLLpSGDEDFC.
<b>Epitope:</b>	pSer529
<b>Reactivity:</b>	Human, Monkey, Horse, Pig, Rabbit
<b>Purification:</b>	Delipidated and defibrinated
<b>Presentation:</b>	Serum, 0.1% sodium azide.
<b>Recommended Storage:</b>	+4°C or -20°C, Avoid repeated freezing and thawing.
<b>Usage Summary:</b>	Immunohistochemistry: LS-B652 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B652 was determined to be 1:500.
<b>Uses:</b>	IHC - Paraffin (1:500), Western blot, Immunoprecipitation, ELISA (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µl
<b>Concentration:</b>	75 mg/ml

**Immunohistochemistry Image:**



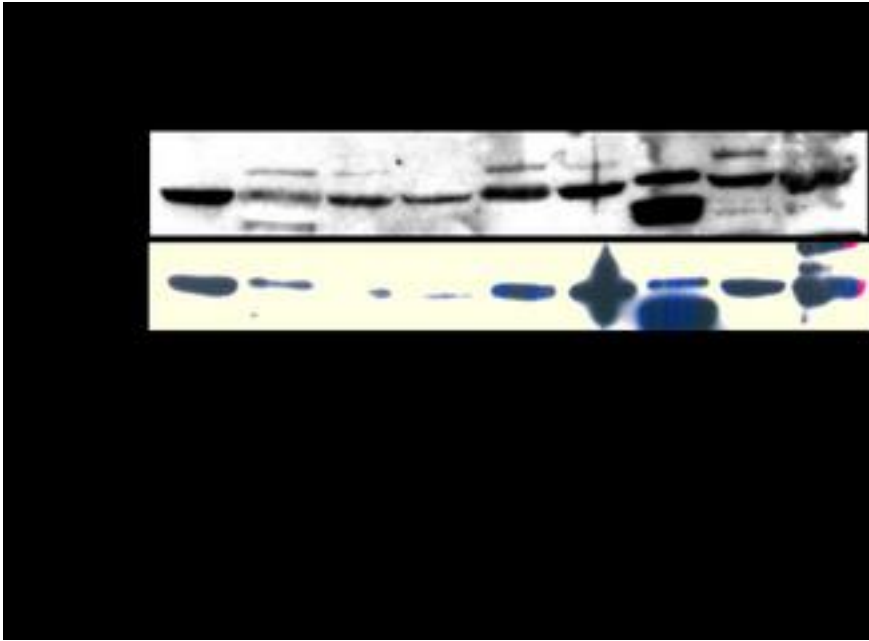
Anti-RELA antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B652 dilution 1:500.

**Immunohistochemistry Image:**



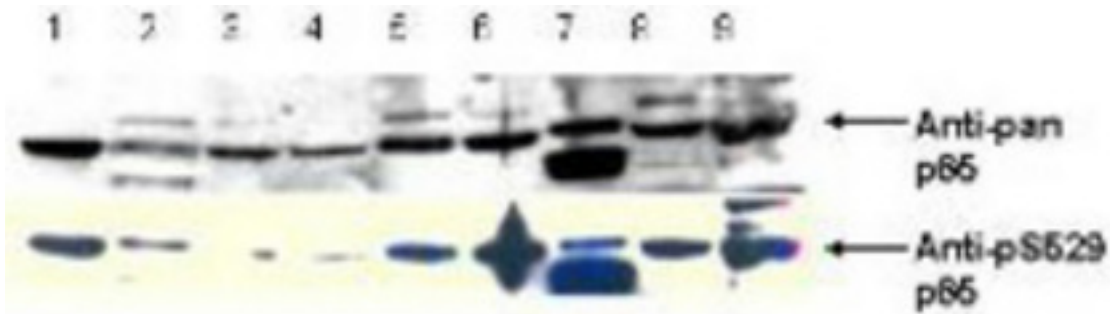
Anti-RELA antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B652 dilution 1:500.

**Western Blot Image:**



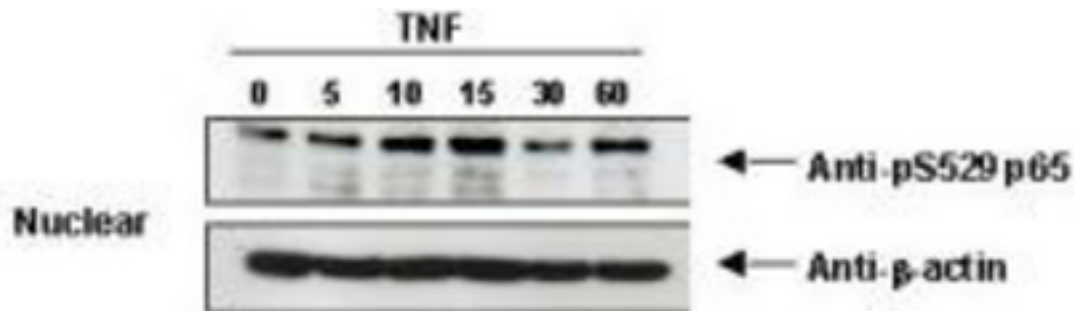
Top row is anti-pan p65. Bottom row is anti-pS529 showing phospho p65 staining in carcinoma cells. Immunoblot of total protein lysates from various human head and neck tumors shows phospho p65 staining in tumor cell lines using phospho specific polyclonal anti-human pS529 p65. Lanes 1-6 contain protein lysates from human squamal carcinoma cell lines. Lane 7 is a protein lysate from a primary culture of human keratinocytes. Lane 8 contains protein lysate from ATCC SCC9 cells (also a head and

**Western Blot Image:**



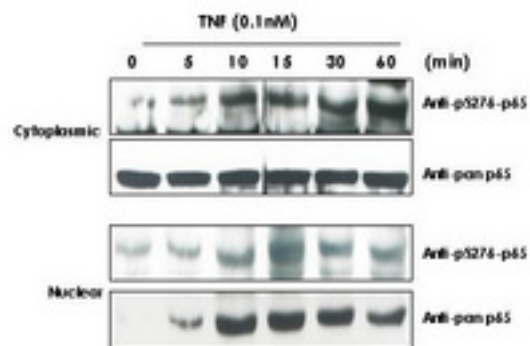
Anti-pS529 shows phospho p65 staining in carcinoma cells.

**Western Blot Image:**



Anti-Human pS276 p65 Antibody - Western Blot. TNF Induces phosphorylation of p65 in KBM-5 cells.

**Western Blot Image:**



Anti-Human pS276 p65 Antibody - Western Blot. TNF Induces phosphorylation of p65 in KBM-5 cells. Cytoplasmic and nuclear protein lysates prepared after 0, 5, 10, 15, 30 and 60 minutes of 0.1 nM TNF treatment of KBM-5 cells shows inducible phosphorylation using phospho specific polyclonal anti-human pS276 p65. pan reactive anti-p65 (code# LS-B653) was used a control to show the presence of total p65 in both the cytoplasmic and nuclear extracts. Phosphorylation of p65 occurs after approximately 10 min of TNF exposure. Migration of phosphorylated p65 into the nucleus occurs within a similar time frame. HRP conjugated Gt-anti-Rabbit IgG was used to develop the Western blot of a chemiluminescent detection method. Other detection methods will yield similar results. Personal Communication, Aggarwal BB.

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

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Created on 9/24/2014

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