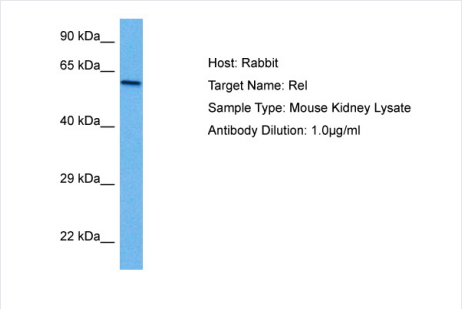
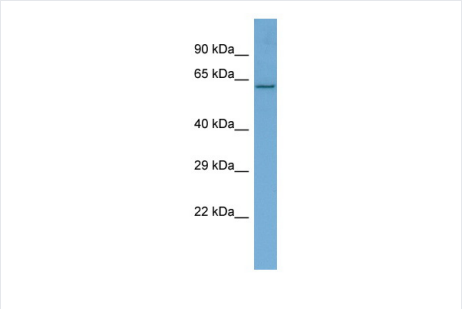
REL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	REL, Polyclonal Antibody
Full Product Name	REL Antibody - C-terminal region
Product Gene Name	anti-REL antibody
Product Synonym Gene Name	C-Rel
Immunogen Sequence	Synthetic peptide located within the following region: FSCVDNGLMN EPGLSDDANN PTFVQSSHYS VNTLQSEQLS DPFTYGFFKI
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	Rel peptide (MBS3228357) is used for blocking the activity of REL antibody (MBS3203388)
Molecular Weight	64kDa
OMIM	164910
3D Structure	ModBase 3D Structure for Q04864
Homology	Mouse: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C-terminal region of mouse REL
Product Categories/Family for anti-REL antibody	Polyclonal; Transcription Factor; Cancer; Developmental Biology; Immunology; Apoptosis; Disease Related; Meiosis/Mitosis/Cell Cycle
Applications Tested/Suitable for anti-REL antibody	Western Blot (WB)
Related Product Information for anti-REL antibody	This is a rabbit polyclonal antibody against Rel. It was validated on Western Blot Target Description: This gene encodes a protein that belongs to the Rel homology domain/immunoglobulin-like fold, plexin, transcription factor (RHD/IPT) family. Members of this family regulate genes involved in apoptosis, inflammation, the immune response, and oncogenic processes. This proto-oncogene plays a role in the survival and proliferation of B lymphocytes. Mutation or amplification of this gene is associated with B-cell lymphomas, including Hodgkin's lymphoma. Single nucleotide polymorphisms in this gene are associated with susceptibility to ulcerative colitis and rheumatoid arthritis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Other Notes	Small volumes of anti-REL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for REL purchase	MBS3203388 is an antibody targeting REL. Also known as REL Antibody - C-terminal region. Reactive in Mouse. Host: Rabbit.



Western Blot (WB) of anti-REL antibody
Host: MouseTarget Name: RELSample Tissue: Mouse KidneyAntibody Dilution: 1ug/ml



Western Blot (WB) of anti-REL antibody
Host: RabbitTarget Name: RelSample Type: Mouse Kidney lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for REL. It may not necessarily be applicable to this product.

NCBI GI #	619534182
NCBI GeneID	5966
NCBI Accession #	NP_001278675.1
UniProt Primary Accession #	Q04864
UniProt Related Accession #	Q04864
GenBank Nucleotide #	NM_001291746.1
NCBI Official Full Name	proto-oncogene c-Rel isoform 2
NCBI Official Synonym Full Names	REL proto-oncogene, NF-kB subunit
NCBI Official Symbol	REL
NCBI Official Synonym Symbols	C-Rel
UniProt Protein Name	Proto-oncogene c-Rel
Protein Family	Nuclear factor
UniProt Gene Name	REL
UniProt Entry Name	REL_HUMAN
NCBI Protein Information	proto-oncogene c-Rel
NCBI Summary for REL	This gene encodes a protein that belongs to the Rel homology domain/immunoglobulin-like fold, plexin, transcription factor (RHD/IPT) family. Members of this family regulate genes involved in apoptosis, inflammation, the immune response, and oncogenic processes. This proto-oncogene plays a role in the survival and proliferation of B lymphocytes. Mutation or amplification of this gene is associated with B-cell lymphomas, including Hodgkin's lymphoma. Single nucleotide polymorphisms in this gene are associated with susceptibility to ulcerative colitis and rheumatoid arthritis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]

UniProt Comments for REL	REL: a proto-oncogenic transcription factor of the nuclear factor-kappaB (NFkB) group. There are five NFkB proteins in mammals (RelA/NFkB-p65, RelB, c-Rel, NF-_B1/NFkB-p105, and NF-_B2/NFkB-p100). They form a variety of homodimers and heterodimers, each of which activates its own characteristic set of genes. May play a role in differentiation and lymphopoiesis. Protein type: Transcription factor; Oncoprotein Chromosomal Location of Human Ortholog: 2p13-p12 Cellular Component: nucleoplasm; transcription factor complex; cytosol Molecular Function: protein binding; chromatin binding; transcription factor activity Biological Process: I-kappaB kinase/NF-kappaB cascade; positive regulation of I-kappaB kinase/NF-kappaB cascade; positive regulation of interleukin-12 biosynthetic process; transcription, DNA-dependent; response to cytokine stimulus; cytokine production; innate immune response; positive regulation of transcription from RNA polymerase II promoter; negative regulation of transcription from RNA polymerase II promoter; inflammatory response
Research Articles on REL	**1.** The results of this study suggest a possible association of cow's milk proteins allergy with cRel G+7883T polymorphism
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