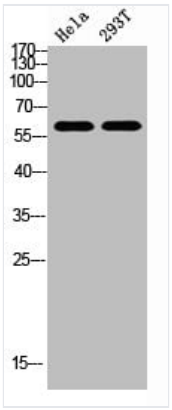
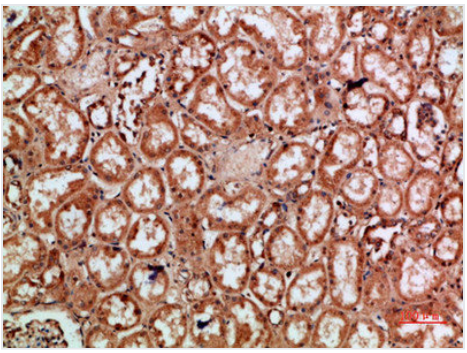
REL Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

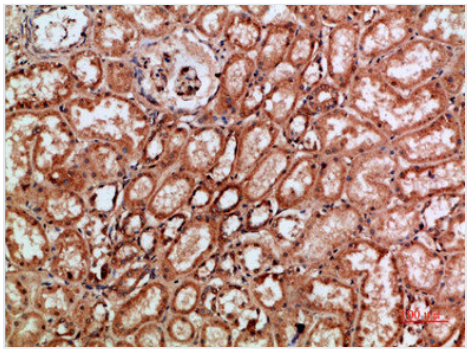
Product Name	REL, Polyclonal Antibody
Full Product Name	REL Antibody
Product Gene Name	anti-REL antibody
Product Synonym Names	REL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, Containing 0.02% Sodium Azide as Preservative and 50% Glycerol.
Purity/Purification	Affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	68,520 Da
Chromosome Location	Chromosome: 2; NC_000002.11 (61108752..61150178). Location: 2p13-p12
OMIM	164910
3D Structure	ModBase 3D Structure for Q04864
Immunogen	Synthetic peptide from human protein at AA range: 491-540
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-REL antibody	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-REL antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-REL antibody	WB: 1:500-10000 ELISA: 1:10000
Related Product Information for anti-REL antibody	MBS7122814 is an antibody targeting REL. Also known as REL Antibody. Reactive in Human, Mouse. Host: Rabbit.
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.



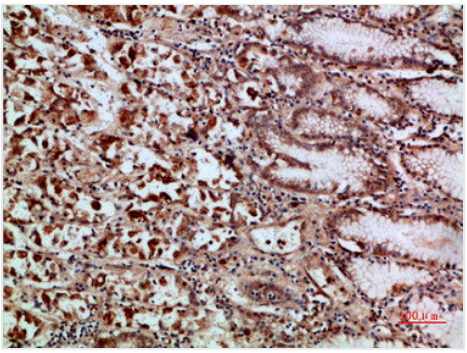
Western Blot (WB) of anti-REL antibody
Western Blot analysis of HELA, 293t cells using Antibody diluted at 800. Secondary antibody was diluted at 1:20000



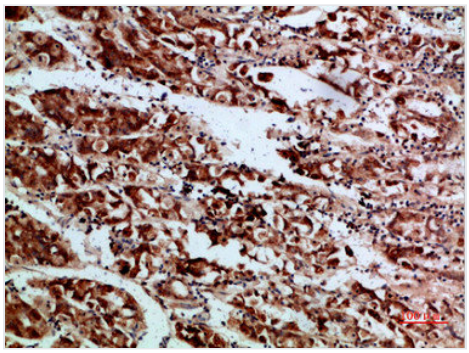
Immunohistochemistry (IHC) of anti-REL antibody
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemistry (IHC) of anti-REL antibody
Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:200



Immunohistochemistry (IHC) of anti-REL antibody
Immunohistochemical analysis of paraffin-embedded human-stomach, antibody was diluted at 1:200



Immunohistochemistry (IHC) of anti-REL antibody
Immunohistochemical analysis of paraffin-embedded human-stomach, antibody was diluted at 1:200

ADDITIONAL DETAILS

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

NCBI GI #	4506473
NCBI GeneID	5966
NCBI Accession #	NP_002899.1
UniProt Primary Accession #	Q04864
UniProt Secondary Accession #	Q2PNZ7; Q6LDY0
UniProt Related Accession #	Q04864

GenBank Nucleotide #	NM_002908.2
NCBI Official Full Name	proto-oncogene c-Rel
NCBI Official Synonym Full Names	v-rel reticuloendotheliosis viral oncogene homolog (avian)
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; C-Rel proto-oncogene protein; oncogene REL, avian reticuloendotheliosis; v-rel avian reticuloendotheliosis viral oncogene homolog
NCBI Summary for REL	The REL gene encodes c-Rel, a transcription factor that is a member of the Rel/NFKB family, which also includes RELA (MIM 164014), RELB (604758), NFKB1 (MIM 164011), and NFKB2 (MIM 164012). These proteins are related through a highly conserved N-terminal region termed the 'Rel domain,' which is responsible for DNA binding, dimerization, nuclear localization, and binding to the NFKB inhibitor (MIM 164008) (Belguise and Sonenshein, 2007 [PubMed 18037997]).[supplied by OMIM, May 2008]
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.** UCP4 is a target effector gene of the NF-kappaB c-Rel prosurvival pathway to mitigate the effects of oxidative stress.
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