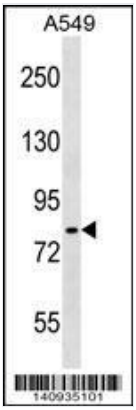
IKK, Alpha/Beta (IKKA) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IKK, alpha/beta (IKKA), Polyclonal Antibody
Full Product Name	IKK, alpha/beta, ID (S176/180) (CHUK, IKKA, TCF16, Inhibitor of nuclear factor kappa-B kinase subunit alpha, Conserved helix-loop-helix ubiquitous kinase, I-kappa-B kinase 1, Nuclear factor NF-kappa-B inhibitor kinase alpha, Transcription factor 16) (Azid
Product Gene Name	anti-IKKA antibody
Product Synonym Gene Name	CHUK
Product Synonym Names	CHUK; IKKA; TCF16; Inhibitor of nuclear factor kappa-B kinase subunit alpha; Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; Nuclear factor NF-kappa-B inhibitor kinase alpha; Transcription factor 16
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	84,640 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (101948124..101989344, complement). Location: 10q24-q25
OMIM	600664
3D Structure	ModBase 3D Structure for O15111
Immunogen	IKK(alpha/beta) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 154-184 amino acids from the Central region of human IKK(alpha/beta).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-IKKA antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-IKKA antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-IKKA antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-IKKA antibody	This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor.

Product References and Citations for anti-IKKA antibody	Lahtela, J., et al. N. Engl. J. Med. 363(17):1631-1637(2010). Gouin, E., et al. Proc. Natl. Acad. Sci. U.S.A. 107(40):17333-17338(2010). Cummins, E.P., et al. J. Immunol. 185(7):4439-4445(2010). Li, T., et al. Nat. Immunol. 11(9):799-805(2010). Rotman, Y., et al. Hepatology 52(3):894-903(2010).
Other Notes	Small volumes of anti-IKKA 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 IKKA purchase	MBS6309655 is an antibody targeting IKKA. Also known as IKK, alpha/beta, ID (S176/180) (CHUK, IKKA, TCF16, Inhibitor of nuclear factor kappa-B kinase subunit alpha, Conserved helix-loop-helix ubiquitous kinase, I-kappa-B kinase 1, Nuclear factor NF-kappa-B inhibitor kinase alpha, Transcription factor 16) (Azid. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-IKKA antibody
IKK(alpha/beta) Antibody (S176/180) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the IKK antibody detected the IKK protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	62241001
NCBI GeneID	1147
NCBI Accession #	NP_001269.3
UniProt Primary Accession #	O15111
UniProt Secondary Accession #	O14666; Q13132; Q5W0I4; Q92467
UniProt Related Accession #	O15111
GenBank Nucleotide #	NM_001278.3
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit alpha
NCBI Official Synonym Full Names	conserved helix-loop-helix ubiquitous kinase
NCBI Official Symbol	CHUK
NCBI Official Synonym Symbols	IKK1; IKKA; IKBKA; TCF16; NFKBIKA; IKK-alpha
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Synonym Protein Names	Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; IKK1; Nuclear factor NF-kappa-B inhibitor kinase alpha; NFKBIKA; Transcription factor 16
UniProt Gene Name	CHUK
UniProt Synonym Gene Names	IKKA; TCF16; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkBKA; IkappaB kinase; IKK1; NFKBIKA; TCF-16
UniProt Entry Name	IKKA_HUMAN

NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha; TCF-16; IKK-a kinase; I-kappa-B kinase 1; I-kappa-B kinase-alpha; transcription factor 16; IkB kinase alpha subunit; Nuclear factor NFkappaB inhibitor kinase alpha
Research Articles on IKKA	**1.** Inhibition of IKKalpha partially rescued p53 levels, while concomitant IKKalpha inhibition fully rescued p53 and regulates MDM2 SUMOylation.
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