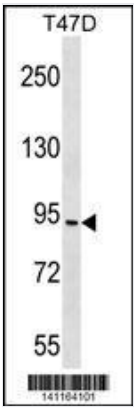
# CHUK Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | CHUK, Polyclonal Antibody |
| **Full Product Name** | CHUK, CT (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) (AP) |
| **Product Gene Name** | anti-CHUK antibody |
| **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 Alkaline Phosphatase (AP). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial 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** | CHUK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 554-582 amino acids from the C-terminal region of human CHUK. |
| **Conjugate** | AP |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-CHUK antibody** | Antibodies; Protein Kinases |
| **Applications Tested/Suitable for anti-CHUK antibody** | Western Blot (WB), ELISA (EIA) |
| **Application Notes for anti-CHUK antibody** | WB: 1:100-500<br>ELISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-CHUK 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-CHUK 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-CHUK 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 CHUK purchase** | MBS6286052 is an antibody targeting CHUK. Also known as CHUK, CT (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) (AP). Reactive in Human. Host: Rabbit. |




**Western Blot (WB) of anti-CHUK antibody**
CHUK Antibody (C-term) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the CHUK antibody detected the CHUK protein (arrow).

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CHUK. 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 |
| **Protein Family** | Inhibitor of nuclear factor kappa-B kinase |
| **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 CHUK** | **1.** Inhibition of IKKalpha partially rescued p53 levels, while concomitant IKKalpha inhibition fully rescued p53 and regulates MDM2 SUMOylation. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/chuk/6286052