

KD-Validated Anti-JUN Rabbit Polyclonal Antibody

Rabbit polyclonal antibody Catalog # AGI1772

Specification

Gene Name

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Product Information

Application WB
Primary Accession P05412
Reactivity Human
Clonality Polyclonal
Isotype Rabbit IgG

Calculated MW Predicted, 36 kDa, o bserved, 48 kDa

KDa JUN

Aliases JUN; Jun Proto-Oncogene, AP-1

Transcription Factor Subunit; V-Jun Avian Sarcoma Virus 17 Oncogene Homolog 2; C-Jun; AP-1; Transcription Factor AP-1 Subunit Jun; Transcription Factor Jun; Proto-Oncogene C-Jun; Activator Protein 1; Jun Oncogene; AP1; P39; V-Jun Sarcoma Virus 17 Oncogene Homolog; Jun Activation Domain Binding Protein; Enhancer-Binding

Protein AP1; Transcription Factor AP-1;

Proto-Oncogene CJun; CJUN

Immunogen A synthesized peptide derived from human

c-Jun

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Additional Information

Gene ID 3725

Other Names

Transcription factor Jun, Activator protein 1, AP1, Proto-oncogene c-Jun, Transcription factor AP-1 subunit Jun, V-jun avian sarcoma virus 17 oncogene homolog, p39, JUN

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Protein Information

Name JUN

Function

Transcription factor that recognizes and binds to the AP-1 consensus motif 5'-TGA[GC]TCA-3' (PubMed:10995748, PubMed:22083952). Heterodimerizes with proteins of the FOS family to form an AP-1 transcription complex, thereby enhancing its DNA binding activity to the AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing its transcriptional activity (By similarity). Together with FOSB, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (PubMed:<a



href="http://www.uniprot.org/citations/12618758" target="_blank">12618758). Promotes activity of NR5A1 when phosphorylated by HIPK3 leading to increased steroidogenic gene expression upon cAMP signaling pathway stimulation (PubMed:17210646). Involved in activated KRAS-mediated transcriptional activation of USP28 in colorectal cancer (CRC) cells (PubMed:24623306). Binds to the USP28 promoter in colorectal cancer (CRC) cells (PubMed:24623306).

Cellular Location Nucleus.

Tissue Location

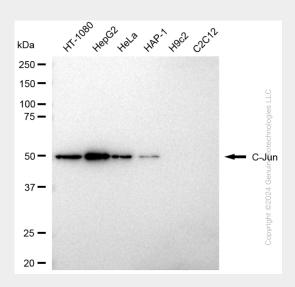
Expressed in the developing and adult prostate and prostate cancer cells.

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

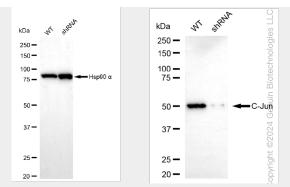
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

KD-Validated Anti-JUN Rabbit Polyclonal Antibody - Images



Western blotting analysis using anti-C-Jun antibody (Cat#AGI1772). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-C-Jun antibody (Cat#AGI1772, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.





Western blotting analysis using anti-C-Jun antibody (Cat#AGI1772). C-Jun expression in wild type (WT) and C-Jun shRNA knockdown (KD) HeLa cells with 30 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-C-Jun antibody (Cat#AGI1772, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.