

Product datasheet for **AP01286PU-N**

JIP3 (MAPK8IP3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 615-664 of Human JIP-3.
Specificity:	This antibody detects endogenous levels of JIP-3 protein. (region surrounding Gln649)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE). Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific Immunogen.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 147 kDa
Gene Name:	mitogen-activated protein kinase 8 interacting protein 3
Database Link:	Entrez Gene 23162 Human Q9UPT6



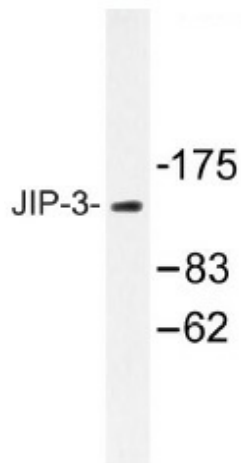
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Background:

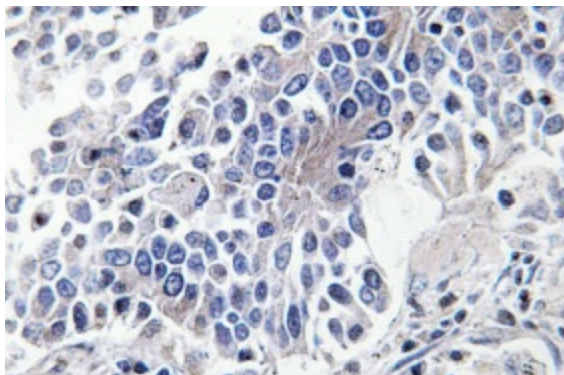
c-Jun NH2-terminal kinases (JNKs) are distant members of the MAP kinase family. JNK1 is activated by dual phosphorylation at a Thr-Pro-Tyr motif in response to ultraviolet (UV) light, and it functions to phosphorylate c-Jun at amino terminal serine regulatory sites Ser 63 and Ser 73, resulting in transcriptional activation. Two additional JNK family members, JNK2 and JNK3, have been identified. JIP-1 (for JNK interacting protein-1) has been identified as a cytoplasmic inhibitor of JNK that retains JNK in the cytoplasm, thereby inhibiting JNK-regulated gene expression. Evidence suggests that JNK1 and JNK2 bind to JIP-1 with greater affinity than to ATF-2 and c-Jun, which are targets of the JNK signaling pathway. JIP-1 contains an amino terminal JNK binding domain and a carboxy terminal SH3 domain. ATF-2 and c-Jun also contain the JNK binding domain and are thought to compete with JIP-1 for JNK binding. Multiple splice variants of JIP-1, including JIP-1b, JIP-1c (also designated islet-brain 1 or IB-1), JIP-2a, JIP-2b and JIP-3, have been identified in brain.

Synonyms:

JNK-interacting protein 3, MAPK8IP3, JIP3

Product images:

Western blot (WB) analysis of JIP-3 antibody in extracts from HeLa cells.



Immunohistochemistry (IHC) analyzes of JIP-3 antibody in paraffin-embedded human lung carcinoma tissue.