

PJA2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17220c**Specification**

PJA2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O43164](#)**PJA2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9867**Other Names**

E3 ubiquitin-protein ligase Praja-2, Praja2, 632-, RING finger protein 131, PJA2, KIAA0438, RNF131

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PJA2 Antibody (Center) Blocking Peptide - Protein Information**Name** PJA2**Synonyms** KIAA0438, RNF131**Function**

Has E2-dependent E3 ubiquitin-protein ligase activity (PubMed:12036302, PubMed:21423175). Responsible for ubiquitination of cAMP-dependent protein kinase type I and type II-alpha/beta regulatory subunits and for targeting them for proteasomal degradation. Essential for PKA-mediated long-term memory processes (PubMed:21423175). Through the ubiquitination of MFHAS1, positively regulates the TLR2 signaling pathway that leads to the activation of the downstream p38 and JNK MAP kinases and promotes the polarization of macrophages toward the pro- inflammatory M1 phenotype (PubMed:28471450). Plays a role in ciliogenesis by ubiquitinating OFD1 (PubMed:33934390).

Cellular Location

Cytoplasm. Cell membrane. Endoplasmic reticulum membrane; Peripheral membrane protein. Golgi apparatus membrane; Peripheral membrane protein. Synapse

{ECO:0000250|UniProtKB:Q63364} Postsynaptic density {ECO:0000250|UniProtKB:Q63364}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Localizes at the cytoplasmic side of endoplasmic reticulum and Golgi apparatus (PubMed:21423175) Expressed in the postsynaptic density region of synapses (By similarity). Colocalizes with PRKAR2A and PRKAR2B in the cytoplasm and the cell membrane (PubMed:21423175). {ECO:0000250|UniProtKB:Q63364, ECO:0000269|PubMed:21423175}

PJA2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PJA2 Antibody (Center) Blocking Peptide - Images

PJA2 Antibody (Center) Blocking Peptide - Background

PJA2 has E2-dependent E3 ubiquitin-protein ligase activity (By similarity).

PJA2 Antibody (Center) Blocking Peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Sasaki, A., et al. J. Biol. Chem. 277(25):22541-22546(2002)Yu, P., et al. Genomics 79(6):869-874(2002)Mishra, L., et al. Oncogene 15(19):2361-2368(1997)Nakayama, M., et al. J. Neurosci. 15 (7 PT 2), 5238-5248 (1995) :