

PJA2 Antibody (aa141-190)
Rabbit Polyclonal Antibody
Catalog # ALS14624**Specification**

PJA2 Antibody (aa141-190) - Product Information

Application	WB, IHC-P, E
Primary Accession	O43164
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

PJA2 Antibody (aa141-190) - Additional Information**Gene ID** 9867**Other Names**

E3 ubiquitin-protein ligase Praja-2, Praja2, 6.3.2.-, RING finger protein 131, PJA2, KIAA0438, RNF131

Target/Specificity

PJA2 Antibody detects endogenous levels of total PJA2 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

PJA2 Antibody (aa141-190) is for research use only and not for use in diagnostic or therapeutic procedures.

PJA2 Antibody (aa141-190) - 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}

Volume

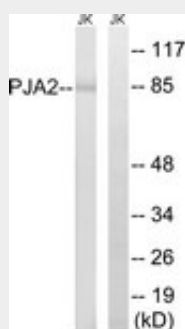
50 µl

PJA2 Antibody (aa141-190) - Protocols

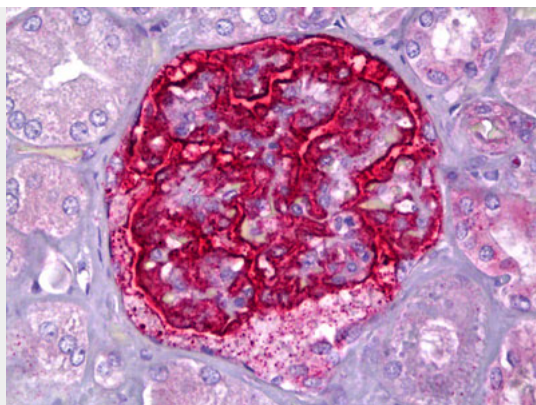
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PJA2 Antibody (aa141-190) - Images



Western blot of extracts from Jurkat cells, using PJA2 Antibody.



Anti-PJA2 antibody IHC of human kidney, glomeruli.

PJA2 Antibody (aa141-190) - Background

Has E2-dependent E3 ubiquitin-protein ligase activity. 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.

PJA2 Antibody (aa141-190) - References

- Ishikawa K.,et al.DNA Res. 4:307-313(1997).
Nakajima D.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schmutz J.,et al.Nature 431:268-274(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.