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

Specification

PJA2 Antibody (aa141-190) - Product Information

Application	**WB, IHC**
Primary Accession	O43164
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**78kDa KDa**

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}

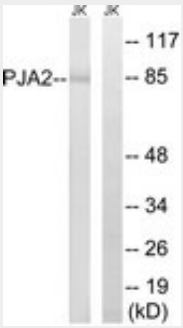
Volume
50 µl

PJA2 Antibody (aa141-190) - Protocols

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

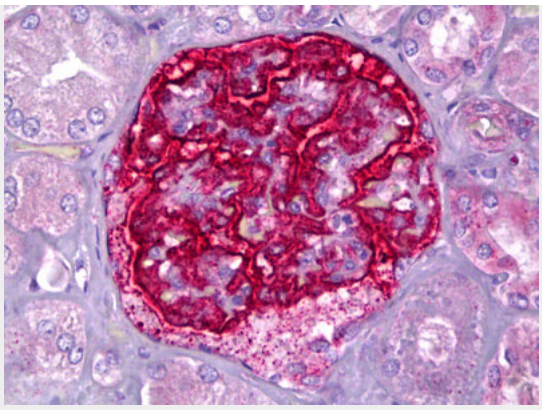
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PJA2 Antibody (aa141-190) - Images



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

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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.