

Praja2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51429**Specification**

Praja2 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	O43164
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78 KDa

Praja2 Antibody - Additional Information**Gene ID** 9867**Other Names**

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

Dilution

WB~~1:1000

IHC-P~~N/A

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Praja2 Antibody - Protein Information**Name** PJA2**Synonyms** KIAA0438, RNF131**Function**

Has E2-dependent E3 ubiquitin-protein ligase activity (PubMed: [12036302](http://www.uniprot.org/citations/12036302), PubMed: [21423175](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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}

Praja2 Antibody - 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](#)

Praja2 Antibody - Images

Praja2 Antibody - 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.

Praja2 Antibody - 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.