

**PJA2 Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H Mk	Endogenous	150	Rabbit	#O43164	9867
<b>Product Usage Information</b>	<b>Application</b>					<b>Dilution</b>
	Western Blotting					1:1000
	Immunoprecipitation					1:50
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.					
<b>Specificity/Sensitivity</b>	PJA2 Antibody recognizes endogenous levels of total PJA2 protein.					
<b>Source / Purification</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly332 of human PJA2 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
<b>Background</b>	Pja2-2 (PJA2/RNF131) is a RING-H2-type E3 ubiquitin ligase. PJA2 is highly expressed in neural tissue and research studies have shown that PJA2 plays a role modulating synaptic architecture and long-term memory by promoting the ubiquitin-dependent proteolysis of NOGO-A and PKA regulatory subunits (1,2). Research studies have also shown that PJA2 sustains glioblastoma growth by driving the ubiquitin-dependent proteasomal degradation of MOB, which inactivates the LATS tumor suppressor kinase of the Hippo pathway (3).					
<b>Background References</b>	1. Sepe, M. et al. (2014) <i>Proc Natl Acad Sci U S A</i> 111, 15729-34. 2. Lignitto, L. et al. (2011) <i>Nat Cell Biol</i> 13, 412-22. 3. Lignitto, L. et al. (2013) <i>Nat Commun</i> 4, 1822.					

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
<b>Applications Key</b>	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation
<b>Cross-Reactivity Key</b>	<b>H:</b> Human <b>Mk:</b> Monkey
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