

# Kalirin Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51922

## Product Information

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Application	WB, ICC
Primary Accession	<a href="#">O60229</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	340261

## Additional Information

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Gene ID	8997
Other Names	Kalirin, Huntingtin-associated protein-interacting protein, Protein Duo, Serine/threonine-protein kinase with Dbl- and pleckstrin homology domain, KALRN, DUET, DUO, HAPIP, TRAD
Dilution	WB~~1:1000 ICC~~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

## Protein Information

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Name	KALRN ( <a href="#">HGNC:4814</a> )
Synonyms	DUET, DUO, HAPIP, TRAD
Function	Promotes the exchange of GDP by GTP. Activates specific Rho GTPase family members, thereby inducing various signaling mechanisms that regulate neuronal shape, growth, and plasticity, through their effects on the actin cytoskeleton. Induces lamellipodia independent of its GEF activity.
Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton. Note=Associated with the cytoskeleton
Tissue Location	Isoform 2 is brain specific. Highly expressed in cerebral cortex, putamen, amygdala, hippocampus and caudate nucleus Weakly expressed in brain stem and cerebellum. Isoform 4 is expressed in skeletal muscle.

## Background

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Promotes the exchange of GDP by GTP. Activates specific Rho GTPase family members, thereby inducing various signaling mechanisms that regulate neuronal shape, growth, and plasticity, through their effects on the actin cytoskeleton. Induces lamellipodia independent of its GEF activity.

## References

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- Colomer V.,et al.Hum. Mol. Genet. 6:1519-1525(1997).  
Kawai T.,et al.Gene 227:249-255(1999).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Muzny D.M.,et al.Nature 440:1194-1198(2006).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

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