

Kalirin Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51922**Specification**

Kalirin Antibody - Product Information

Application	WB, ICC, E
Primary Accession	O60229
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	350 KDa

Kalirin Antibody - Additional Information**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

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

Kalirin Antibody - Protein Information**Name** KALRN ([HGNC:4814](#))**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.

Kalirin 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](#)

Kalirin Antibody - Images

Kalirin Antibody - Background

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Kalirin Antibody - References

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.