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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

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Kalirin. The exact sequence is proprietary.

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 Cytomety
- Cell Culture

Kalirin Antibody - Images

Kalirin Antibody - Background

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Kalirin Antibody - References

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Kawai T.,et al.Gene 227:249-255(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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