

**Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP6120a****Specification**

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**Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide - Product Information**Primary Accession [O60229](#)**Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP6120a](/product/products/AP6120a) was selected from the C-term region of human HAPIP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide - 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 (DUO/HAPIP) Antibody (C-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide - Images**

### **Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide - Background**

Huntington's disease is an inherited neurodegenerative disease which occurs when the widely expressed protein huntingtin contains an expanded glutamine repeat. HAPIP binds to HAP1, which is a huntington binding protein that may function in vesicle trafficking.

### **Kalirin (DUO/HAPIP) Antibody (C-term) Blocking peptide - References**

Colomer, V., et al., Hum. Mol. Genet. 6(9):1519-1525 (1997).