

### **KALRN Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54650

### **Specification**

## **KALRN Polyclonal Antibody - Product Information**

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

IHC-P, IHC-F, IF, ICC, E
O60229
Rat, Pig, Dog
Rabbit
Polyclonal
340261

## **KALRN Polyclonal Antibody - Additional Information**

#### **Gene ID 8997**

#### **Other Names**

Kalirin, 2.7.11.1, Huntingtin-associated protein-interacting protein, Protein Duo, Serine/threonine-protein kinase with Dbl- and pleckstrin homology domain, KALRN (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=4814" target="blank">HGNC:4814</a>), DUET, DUO, HAPIP, TRAD

#### **Dilution**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_ICC">ICC~~N/A</span><br \><span class ="dilution\_E">E~~N/A</span>

#### **Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

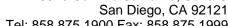
# **KALRN Polyclonal Antibody - Protein Information**

### 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.

# **KALRN Polyclonal Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

**KALRN Polyclonal Antibody - Images**