

KALRN Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2867a**Specification**

KALRN Antibody (N-Term) - Product Information

Application	E
Primary Accession	O60229
Other Accession	NP_001019831.2 , NP_003938.1 , NP_008995.2 , 8997 , 545156 (mouse) , 84009 (rat)
Predicted	Human, Mouse, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	340261

KALRN Antibody (N-Term) - 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, DUET, DUO, HAPIP, TRAD

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

KALRN Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

KALRN Antibody (N-Term) - 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 Antibody (N-Term) - 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](#)

KALRN Antibody (N-Term) - Images**KALRN Antibody (N-Term) - Background**

This antibody is expected to recognize reported isoforms NP_001019831.2 and NP_003938.1.

KALRN Antibody (N-Term) - References

Kalirin-7 controls activity-dependent structural and functional plasticity of dendritic spines. Xie Z, Srivastava DP, Photowala H, Kai L, Cahill ME, Woolfrey KM, Shum CY, Surmeier DJ, Penzes P. Neuron. 2007 Nov 21;56(4):640-56. PMID: 18031682