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Datasheet for ABIN1393756

anti-KALRN antibody (AA 1401-1500) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	KALRN
Binding Specificity:	AA 1401-1500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KALRN antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KALRN/Duo
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	KALRN
Alternative Name:	KALRN/Duo (KALRN Products)
Background:	Synonyms: Duo, FLJ16443, HAPIP, Huntingtin associated protein interacting protein duo ,

Target Details

Huntingtin-associated protein-interacting protein, Kalirin isoform 2, Kalirin, KALRN , KALRN_HUMAN , Protein Duo, RhoGEF kinase, Serine/threonine kinase with Dbl and pleckstrin homology domains , Serine/threonine-protein kinase with Dbl- and pleckstrin homology domain, TRAD.

Background: HAP1 (huntingtin-associated protein 1) binds to huntingtin (1). Huntingtin is a protein that contains a polyglutamine region and when the number of glutamine repeats exceeds 35, the gene encodes a version of huntingtin that leads to Huntington's disease (HD) (2,3). The ability of HAP1 to bind to huntingtin is enhanced by an expanded polyglutamine repeat region (1). HAP1 shows neuronal localization and moves with huntingtin in nerve fibers (4,5). HAP1 is primarily expressed in brain tissue, with greater expression in the olfactory bulb and brain stem (1). Mouse HAP1 is localized to membrane-bound organelles including large endosomes, tubulovesicular structures and budding vesicles in neurons (6). Duo, also designated huntingtin-associated protein interacting protein or HAPIP, binds Huntingtin-associated protein 1 (HAP1) and may have a role in vesicle trafficking and cytoskeletal function.

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months