

ARG45252 anti-Kindlin 2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes Kindlin 2
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	Kindlin 2
Species	Human
Immunogen	Recombinant protein containing to human Kindlin 2.
Conjugation	Un-conjugated
Alternate Names	FERMT2; FERM Domain Containing Kindlin 2; KIND2; UNC112B; PLEKHC1; Mig-2; Pleckstrin Homology Domain Containing, Family C (With FERM Domain) Member 1; PH Domain-Containing Family C Member 1; Fermitin Family Homolog 2; Mitogen Inducible Gene-2; Fermitin Family Member 2; Kindlin-2; MIG2; Pleckstrin Homology Domain Containing, Family C Member 1; Pleckstrin Homology Domain-Containing Family C Member 1; Fermitin Family Homolog 2 (Drosophila); Mitogen Inducible Gene 2 Protein; Mitogen-Inducible Gene 2 Protein; Kindlin 2; UNC112; MIG-2

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	70 kDa	

Properties

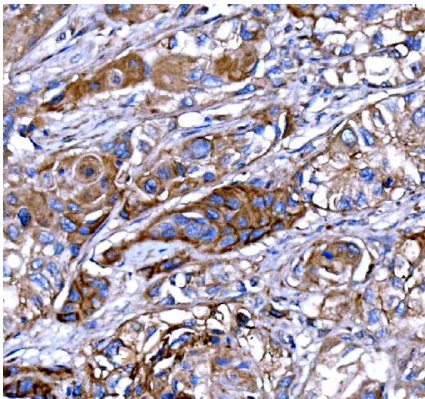
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

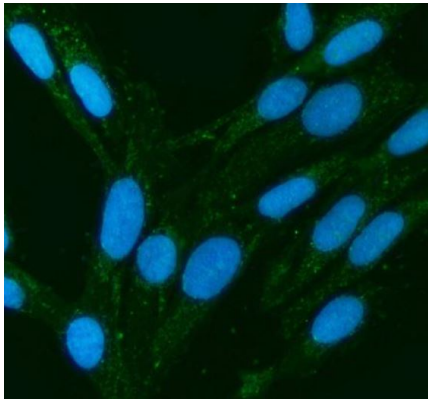
Gene Symbol	FERMT2
Gene Full Name	FERM Domain Containing Kindlin 2
Background	Enables several functions, including actin binding activity; phosphatidylinositol-3,4,5-trisphosphate binding activity; and type I transforming growth factor beta receptor binding activity. Involved in several processes, including cell surface receptor signaling pathway; positive regulation of cellular component biogenesis; and positive regulation of intracellular signal transduction. Acts upstream of or within cell adhesion and protein localization to cell junction. Located in several cellular components, including adherens junction; cytoplasmic side of plasma membrane; and focal adhesion. Biomarker of acute myeloid leukemia. [provided by Alliance of Genome Resources, Nov 2024]
Function	Scaffolding protein that enhances integrin activation mediated by TLN1 and/or TLN2, but activates integrins only weakly by itself. Binds to membranes enriched in phosphoinositides. Enhances integrin-mediated cell adhesion onto the extracellular matrix and cell spreading; this requires both its ability to interact with integrins and with phospholipid membranes. Required for the assembly of focal adhesions. Participates in the connection between extracellular matrix adhesion sites and the actin cytoskeleton and also in the orchestration of actin assembly and cell shape modulation. Recruits FBLIM1 to focal adhesions. Plays a role in the TGFB1 and integrin signaling pathways. Stabilizes active CTNNB1 and plays a role in the regulation of transcription mediated by CTNNB1 and TCF7L2/TCF4 and in Wnt signaling.. [UniProt]
Calculated Mw	78 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Cell junction ; Cell membrane ; Cell projection ; Cytoplasm ; Cytoskeleton. [UniProt]

Images



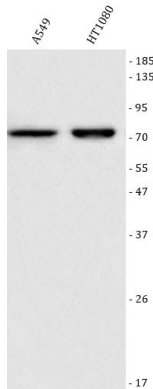
ARG45252 anti-Kindlin 2 antibody IHC-P image

Immunohistochemistry: Human breast cancer stained with ARG45252 anti-Kindlin 2 antibody at 2 µg/ml dilution.



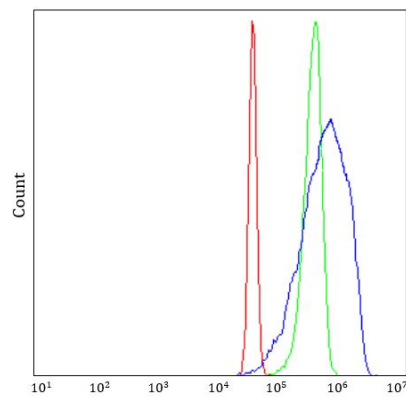
ARG45252 anti-Kindlin 2 antibody ICC/IF image

Immunofluorescence: U2OS stained with ARG45252 anti-Kindlin 2 antibody at 5 $\mu\text{g}/\text{ml}$ dilution.



ARG45252 anti-Kindlin 2 antibody WB image

Western blot: A549 and HT1080 stained with ARG45252 anti-Kindlin 2 antibody at 0.5 $\mu\text{g}/\text{ml}$ dilution.



ARG45252 anti-Kindlin 2 antibody FACS image

Flow Cytometry: SiHa stained with ARG45252 anti-Kindlin 2 antibody at 1 $\mu\text{g}/10^6$ cells dilution.