

Rabbit anti-Human Kindlin 2/FERMT2 Polyclonal Antibody | anti-FERMT2 antibody

Anti-Kindlin 2/FERMT2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19495	Rabbit	Human	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Kindlin 2/FERMT2; Polyclonal Antibody; Anti-Kindlin 2/FERMT2 Antibody Picoband; anti-FERMT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-FERMT2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5 ug/ml, Human IHC-P: 2-5 ug/ml, Human ICC/IF: 5 ug/ml, Human FC/FACS: 1-3 ug/1x10 ⁶ cells, Human Direct ELISA: 0.1-0.5 ug/ml, Human Tested Species: In-house tested species with positive results. Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC(P) and ICC.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Kindlin 2/FERMT2 recombinant protein (Position: M1-I650).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM (Flow Cytometry)

Figure 9. Flow Cytometry analysis of MCF-7 cells using anti-Kindlin 2/FERMT2 antibody (AAA19495). Overlay histogram showing MCF-7 cells stained with AAA19495 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Kindlin 2/FERMT2 Antibody (AAA19495, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM (Flow Cytometry)

Figure 8. Flow Cytometry analysis of SiHa cells using anti-Kindlin 2/FERMT2 antibody (AAA19495). Overlay histogram showing SiHa cells stained with AAA19495 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Kindlin 2/FERMT2 Antibody (AAA19495, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 7. IF analysis of Kindlin 2/FERMT2 using anti-Kindlin 2/FERMT2 antibody (AAA19495). Kindlin 2/FERMT2 was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-Kindlin 2/FERMT2 Antibody (AAA19495) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IHC (Immunohistochemistry)

Figure 6. IHC analysis of Kindlin 2/FERMT2 using anti-Kindlin 2/FERMT2 antibody (AAA19495). Kindlin 2/FERMT2 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Kindlin 2/FERMT2 Antibody (AAA19495) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 5. IHC analysis of Kindlin 2/FERMT2 using anti-Kindlin 2/FERMT2 antibody (AAA19495). Kindlin 2/FERMT2 was detected in a paraffin-embedded section of human renal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Kindlin 2/FERMT2 Antibody (AAA19495) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of Kindlin 2/FERMT2 using anti-Kindlin 2/FERMT2 antibody (AAA19495). Kindlin 2/FERMT2 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Kindlin 2/FERMT2 Antibody (AAA19495) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-FERMT2 antibody	Fermitin family homolog 2 (FERMT2) also known as pleckstrin homology domain-containing family C member 1 (PLEKHC1) or kindlin-2 is a protein that in humans is encoded by the FERMT2 gene. 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 cell differentiation; and positive regulation of cellular component biogenesis. Acts upstream of or within cell adhesion and protein localization to cell junction. Located in cytosol; focal adhesion; and nucleoplasm. Is extrinsic component of cytoplasmic side of plasma membrane. Part of adherens junction and plasma membrane. Biomarker of acute myeloid leukemia.
Product Categories/Family for anti-FERMT2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	201861813
NCBI GeneID	10979
NCBI Accession #	NP_001128471.1

NCBI GenBank Nucleotide #	NM_001134999.1
UniProt Accession #	Q96AC1; Q14840; Q86TY7; B5TJY2
Molecular Weight	72,397 Da
NCBI Official Full Name	fermitin family homolog 2 isoform 2
NCBI Official Synonym Full Names	fermitin family member 2
NCBI Official Symbol	FERMT2
NCBI Official Synonym Symbols	MIG2; KIND2; mig-2; UNC112; PLEKHC1; UNC112B
NCBI Protein Information	fermitin family homolog 2
UniProt Protein Name	Fermitin family homolog 2
UniProt Gene Name	FERMT2
UniProt Synonym Gene Names	KIND2; MIG2; PLEKHC1; MIG-2; PH domain-containing family C member 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kindlin-2-fermt2-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19495>