

Kindlin-1 (D1K4C) Rabbit mAb

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Applications: W, IP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 77	Source/Isotype: Rabbit IgG	UniProt ID: #Q9BQL6	Entrez-Gene Id: 55612
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Specificity/Sensitivity

Kindlin-1 (D1K4C) Rabbit mAb recognizes endogenous levels of total Kindlin-1 protein. This antibody does not cross-react with Kindlin-2 or Kindlin-3.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro159 of human Kindlin-1 protein.

Background

The kindlin family of focal adhesion proteins is involved in multiple biological processes, including integrin signaling, adhesion, migration, angiogenesis, differentiation, and mitotic spindle formation (1,2). Kindlin family members 1, 2, and 3 (FERM1, FERM2, and URP2) are differentially expressed in tissues. Kindlin-1 is primarily expressed in epithelial cells, kindlin-2 is ubiquitously expressed, and kindlin-3 expression is restricted to the hematopoietic system (3).

Background References

1. Ye, F. and Petrich, B.G. (2011) *Curr Opin Hematol* 18, 356-60.
2. Meves, A. et al. (2009) *Trends Cell Biol* 19, 504-13.
3. Karaköse, E. et al. (2010) *J Cell Sci* 123, 2353-6.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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