

## **Kindlin-3 Antibody**



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## For Research Use Only. Not for Use in Diagnostic Procedures.

| Applications:<br>W           | Reactivity:<br>H M | <b>Sensitivity:</b><br>Endogenous  | <b>MW (kDa):</b><br>75   | <b>Source/Isotype:</b><br>Rabbit   | UniProt ID:<br>#Q86UX7   | Entrez-Gene Id<br>83706  |
|------------------------------|--------------------|--|--|--|--|--|
| Product Usage<br>Information |                    | <b>Application</b> Western Blotting  |  |  | <b>Dilution</b> 1:1000   |  |
| Storage                      |                    | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.   |  |  |  |  |
| Specificity/Sensitivity      |                    | Kindlin-3 Antibody recognizes endogenous levels of total kindlin-3 protein.  |  |  |  |  |
| Source / Purification        |                    | Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly649 of human kindlin-3 protein. Antibodies are purified by protein A and peptide affinity chromatography. |  |  |  |  |
| Background                   |                    | integrin signaling, ad (1,2). Kindlin family m tissues. Kindlin-1 is pr kindlin-3 expression is Kindlin-3 (FERMT3 or essential role in integ in the hematopoietic and activates integrin   | hesion, migration, a<br>nembers 1, 2, and 3<br>rimarily expressed i<br>s restricted to the h<br>URP2) is a member<br>irin activation and ir<br>system (5). Kindlin-<br>n-mediated signalin   | eins is involved in multip<br>angiogenesis, differentia<br>(FERM1, FERM2, and URI<br>n epithelial cells, kindlin-<br>ematopoietic system (3)<br>of the kindlin family of f<br>n various immune function<br>tog together with talin, bir<br>g cascades (6-8). Researd<br>man disease, leukocyte-a | tion, and mitotic sp<br>P2) are differentially<br>2 is ubiquitously ex<br>ocal adhesion proto<br>ons (3,4). Kindlin-3 inds to the cytoplasm<br>th studies identified | oindle formation y expressed in xpressed, and eins, which plays an is mainly expressed mic tail of β-integrin I mutations of |
| Background References        |                    | 2. Meves, A. et al. (200<br>3. Karaköse, E. et al. (200  | 09) Trends Cell Biol<br>2010) J Cell Sci 123,<br>al. (2014) Am J Clin I<br>2006) Blood 108, 791<br>2003) Science 302,<br>(2007) Cell 128, 171<br>09) Science 324, 895<br>2009) Nat Med 15, 3 | 2353-6.<br>Exp Immunol 3, 37-42.<br> -801.<br> 03-6.<br> -82.<br> -8-9.<br> 313-8.   |  |  |
| 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  |  |  |  |  |
| Cross-Reactivity Key         |                    | H: Human M: Mouse  |  |  |  |  |
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|                              |                    |  |  |  | Sec. 11 1 1  |  |

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