

KRIT1

Reactivity: Human Mouse Rat

Tested applications: WB IF

Recommended Dilution: WB 1:500 - 1:2000 IF 1:50 - 1:100

Calculated MW: 84kDa

Observed MW: Refer to figures

Immunogen:

Recombinant protein of human KRIT1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CAM; CCM1;

Catalog #: A6881

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 889

Isotype: IgG

Swiss Prot: O00522

Purity: Affinity purification

For research use only.

Background:

This gene encodes a protein containing four ankyrin repeats, a band 4.1/ezrin/radixin/moesin (FERM) domain, and multiple NPXY sequences. The encoded protein is localized in the nucleus and cytoplasm. It binds to integrin cytoplasmic domain-associated protein-1 alpha (ICAP1alpha), and plays a critical role in beta1-integrin-mediated cell proliferation. It associates with junction proteins and RAS-related protein 1A (Rap1A), which requires the encoded protein for maintaining the integrity of endothelial junctions. It is also a microtubule-associated protein and may play a role in microtubule targeting. Mutations in this gene result in cerebral cavernous malformations. Multiple alternatively spliced transcript variants have been found for this gene.

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