

Product Name: KD-Validated KRIT1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00335**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 84.3kDa

Antigen Information

Gene Name	KRIT1
Alternative Names	KRIT1; KRIT1 Ankyrin Repeat Containing; Krev Interaction Trapped 1; CCM1; CAM; Cerebral Cavernous Malformations 1 Protein; Krev Interaction Trapped Protein 1; Ankyrin Repeat-Containing Protein Krit1; Cerebral Cavernous Malformations 1; KRIT1, Ankyrin Repeat Containing
Gene ID	889.0
SwissProt ID	O00522
Immunogen	Recombinant protein of human KRIT1

Background

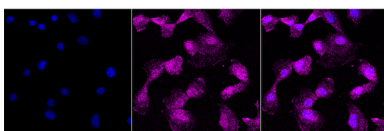
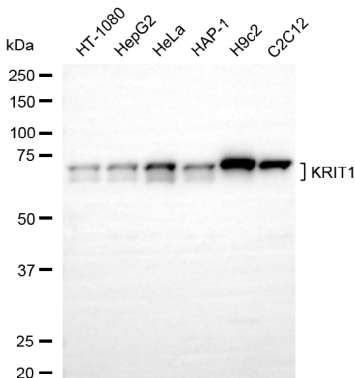
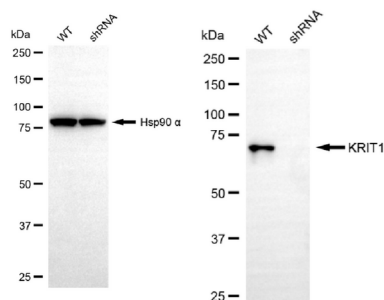
This gene encodes a protein containing four ankyrin repeats, a band 4.1/ezrin/radixin/moesin (FERM) domain, and multiple

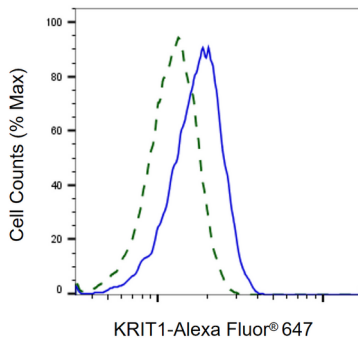
NPXY sequences. The encoded protein is localized in the nucleus and cytoplasm. It binds to integrin cytoplasmic domain-associated protein-1 alpha (ICAP1alpha), and plays a critical role in beta1-integrin-mediated cell proliferation. It associates with junction proteins and RAS-related protein 1A (Rap1A), 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. [provided by RefSeq, Sep 2009]

Research Area

Signal Transduction, Neuroscience, Cardiovascular

Image Data





Validation of KRIT1 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with KRIT1 antibody (KVA00335, 1:2,000) and analyzed using BD flow cytometer.