

KRCC1 Rabbit pAb

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Catalog # AP59291

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9NPI7
Reactivity	Mouse
Predicted	Rat, Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30980
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KRCC1
Epitope Specificity	161-259/259
Isotype	IgG
Purity	affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Important Note This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions KRCC1 is a 259 amino acid protein that is encoded by a gene located on human chromosome 2p11.2. Consisting of 237 million bases, chromosome 2 is the second largest human chromosome and encodes over 1,400 genes. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome, is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

Additional Information

Gene ID	51315
Other Names	Lysine-rich coiled-coil protein 1, Cryptogenic hepatitis-binding protein 2, HLY, KRCC1 {ECO:0000303 PubMed:36243983}, CHBP2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

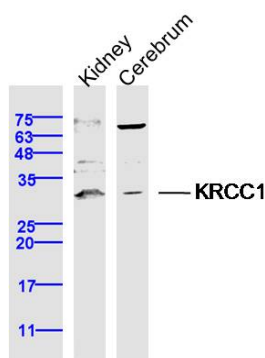
Protein Information

Name	KRCC1 {ECO:0000303 PubMed:36243983}
Synonyms	CHBP2
Function	Regulates CHEK1-mediated cell cycle checkpoint (PubMed: 36243983). Facilitates efficient recombination and homologous recombination repair (PubMed: 36243983). Required for proper S-phase progression and mitotic entry (PubMed: 36243983).
Cellular Location	Nucleus.

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Images



Sample:

Kidney (Mouse) Lysate at 40 ug

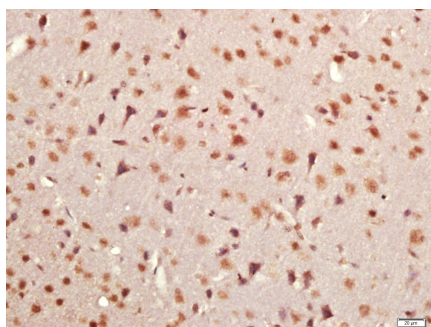
Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-KRCC1 (AP59291) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 31 kD

Observed band size: 31 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse Brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KRCC1) Polyclonal Antibody, Unconjugated (bs9560R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.