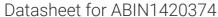
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anti-Carkd antibody (Cy5)



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|--------|----|----|----|-------------|---|
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Background:

| Quantity: | 100 μL |
|-------------------|---|
| Target: | Carkd |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Carkd antibody is conjugated to Cy5 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |
| Product Details | |
| Immunogen: | KLH conjugated synthetic peptide derived from human CARKD |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |
| Target Details | |
| Target: | Carkd |
| Alternative Name: | CARKD (Carkd Products) |
| | |

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protein, FLJ10769, LP3298, NNRD_HUMAN.

Synonyms: Carbohydrate kinase domain containing, carbohydrate kinase domain-containing

Background: CARKD is a 347 amino acid protein that belongs to the YjeF family and exists as

three alternatively spliced isoforms. Containing one YjeF C-terminal domain, CARKD is encoded

by a gene that maps to human chromosome 13q34. Chromosome 13 contains around 114 million base pairs and 400 genes. Key tumor suppressor genes on chromosome 13 include the breast cancer susceptibility gene, BRCA2, and the RB1 (retinoblastoma) gene. RB1 encodes a crucial tumor suppressor protein which, when defective, leads to malignant growth in the retina and has been implicated in a variety of other cancers. The gene SLITRK1, which is associated with Tourette syndrome, is on chromosome 13. As with most chromosomes, polysomy of part or all of chromosome 13 is deleterious to development and decreases the odds of survival. Trisomy 13, also known as Patau syndrome, is quite deadly and the few who survive past one year suffer from permanent neurologic defects, difficulty eating and vulnerability to serious respiratory infections.

Application Details

| Application Notes: | IF(IHC-P) 1:50-200 |
|--------------------|-----------------------|
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|--|
| Concentration: | 1 μg/μL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |