

Datasheet for 600-401-AS5**DAPK2 Antibody****Overview**

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| Description: | Anti-DAPK2 (RABBIT) Antibody - 600-401-AS5 |
| Item No.: | 600-401-AS5 |
| Size: | 100 µg |
| Applications: | ELISA, IHC, WB |
| Reactivity: | Human, Mouse, Rat |
| Host Species: | Rabbit |

Product Details

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| Background: | Apoptosis is mediated by death domain containing adapter molecules and a caspase family of proteases. Certain serine/threonine protein kinases, such as RIP and DAP kinase, are mediators of apoptosis. DAP kinase (DAPK) is pro-apoptotic calcium-regulated serine/threonine kinase containing death domain. Ectopic expression of DAPK induces cell death and suppresses oncogenic transformation. DAPK mediates IFN-gamma induced apoptosis. A novel DAP kinase-related protein was recently identified and designated DAPK2 and DRP-1. Ectopic expression of DAPK2 induced apoptosis in various types of cells. DAPK has high sequence homology to ZIP kinase and DRAK1/2, and they represent a novel family of serine/threonine kinases, which mediates apoptosis through their catalytic activities. The messenger RNA of DAPK2 is expressed in multiple human tissues. |
| Synonyms: | DAPK2 Antibody, DRP1, DRP-1, Death-associated protein kinase 2, DAP-kinase-related protein 1, DAP kinase 2 |
| Host Species: | Rabbit |
| Clonality: | Polyclonal |
| Format: | IgG |

Target Details

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| Gene Name: | DAPK2 |
| Reactivity: | Human, Mouse, Rat |
| Immunogen Type: | Conjugated Peptide |

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| Immunogen: | Anti-DAPK2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the C-terminus of human DAPK2. The sequence of. This antigenic peptide is identical to the corresponding amino acids of mouse origin (1,2). |
| Purity/Specificity: | Anti-DAPK2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DAPK2 has no cross responses to DAPK1. |
| Relevant Links: | <ul style="list-style-type: none">• UniProtKB - Q9UIK4• GeneID - 23604• NCBI - BAA88063 |

Application Details

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| Tested Applications: | ELISA, IHC, WB |
| Application Note: | Anti-DAPK2 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 43 kDa in Western Blots of specific cell lysates and tissues. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | 1:10,000 |
| IHC: | 2 µg/mL |
| WB: | 1 µg/mL |

Formulation

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| Physical State: | Liquid (sterile filtered) |
| Concentration: | 1.0 mg/mL by UV absorbance at 280 nm |
| Buffer: | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| Preservative: | 0.02% (w/v) Sodium Azide |
| Stabilizer: | None |

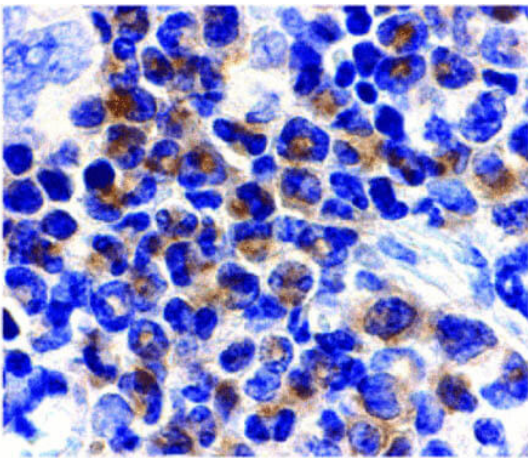
Shipping & Handling

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| Shipping Condition: | Dry Ice |
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

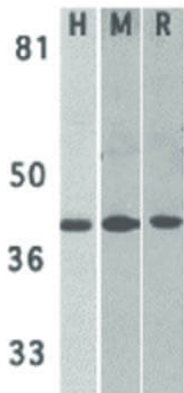
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of DAPK2 antibody. Tissue: Mouse spleen cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: DAPK2 antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DAPK2 is cytoplasmic. Staining: DAPK2 as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot

Western Blot of DAPK2 antibody. Lane 1: A431 cell lysate. Lane 2: Mouse spleen tissue lysate. Lane 3: Rat kidney tissue lysate. Load: 35 µg per lane. Primary antibody: DAPK2 antibody at 1 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 42.8 kDa, 42 kDa for DAPK2.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.