

For Research Use Only

TAX1BP3 Polyclonal antibody

Catalog Number: 11692-1-AP **1 Publications**



Basic Information

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| Catalog Number: 11692-1-AP | GenBank Accession Number: BC023980 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 900 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 30851 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 |
| Source: Rabbit | Full Name: Tax1 (human T-cell leukemia virus type I) binding protein 3 | |
| Isotype: IgG | Calculated MW: 124 aa, 14 kDa | |
| Immunogen Catalog Number: AG2306 | Observed MW: 15-17 kDa | |

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, NIH/3T3 cells, mouse kidney tissue, rat kidney tissue

IHC : human colon tissue, human kidney tissue

Background Information

Tax-interacting protein 1 (TIP-1, also known as Tax1bp3 or glutaminase-interacting protein, GIP) is unique in its simple structure, a single PDZ domain is the only functional and structural unit identified so far in this small PDZ protein (124 amino acids in human and mouse). High level of TIP-1 expression was detected in human invasive breast cancer cells and that is important for tumor cell adhesion, migration and pulmonary metastasis. However, the precise biological effects of TIP-1 and its functional mechanisms have largely remained elusive. Mutation of TAX1BP3 can cause Dilated Cardiomyopathy with Septo-Optic Dysplasia (PMID: 25645515).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------|-----------|---------|-------------|
| Sixu Wang | 37209886 | Gene | WB,IHC |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

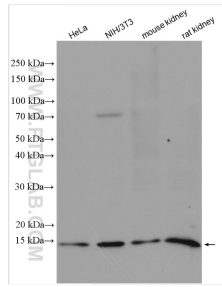
For technical support and original validation data for this product please contact:

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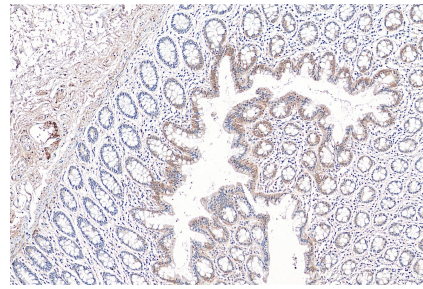
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11692-1-AP (TAX1BP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 11692-1-AP (TAX1BP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).