

For Research Use Only

EIF2C3-Specific Polyclonal antibody

Catalog Number: 19692-1-AP

2 Publications



Basic Information

Catalog Number:

19692-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_024852

GeneID (NCBI):

192669

UNIPROT ID:

Q9H9G7

Full Name:

eukaryotic translation initiation factor 2C, 3

Calculated MW:

97 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : SKOV-3 cells, HepG2 cells

IHC : human stomach cancer tissue,

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

Background Information

EIF2C3, also named as AGO3, belongs to the argonaute family and Ago subfamily. It is required for RNA-mediated gene silencing (RNAi). EIF2C3 binds to short RNAs such as microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. EIF2C3 lacks endonuclease activity and does not appear to cleave target mRNAs. This antibody is specific to EIF2C3.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|-----------------------------|-------------|
| Kai Zhang | 30297778 | Nat Struct Mol Biol | WB |
| Yixuan Wang | 39119295 | Front Cell Infect Microbiol | WB |

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

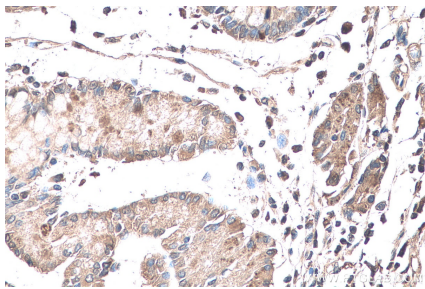
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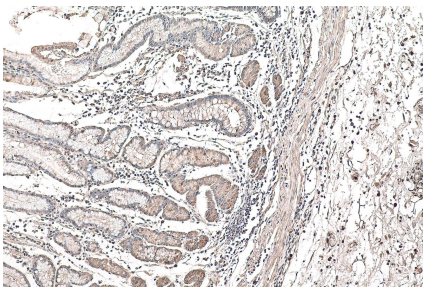
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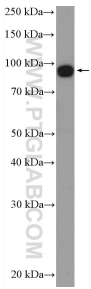
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 19692-1-AP (EIF2C3-Specific antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 19692-1-AP (EIF2C3-Specific antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 19692-1-AP (EIF2C3-Specific Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.