bs-7737R

[Primary Antibody]

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

EIF2C Rabbit pAb

GenelD: 26523 SWISS: Q9UL18

Target: EIF2C

Immunogen: KLH conjugated synthetic peptide derived from human

EIF2C1/Ago1: 431-530/984.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Ago1 belongs to the argonaute family and contains 1 PAZ and 1 Piwi domain. It is required for G1 arrest and mating in response to nitrogen starvation. It is also known as cell cycle control protein through it's regulation of cytokinesis and cell cycle checkpoints occurs downstream of dcr1. It is required, indirectly, for regulated hyperphosphorylation of cdc2. Ago 1 also has a role in the RNA interference (RNAi) pathway which is important for heterochromatin formation and accurate chromosome segregation. It has been shown to be non-essential for siRNAdirected target RNA cleavage but is needed for the production of mature miRNA that affects miRNA-directed RNA cleavage.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Mouse (predicted: Human,

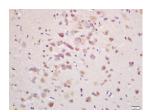
Rat, Pig, Cow, Chicken,

Horse, Fruit Fly)

Predicted 94 kDa MW.:

Subcellular Cytoplasm

VALIDATION IMAGES



Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-EIF2C Polyclonal Antibody, Unconjugated(bs-7737R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining