bs-13056R

# [ Primary Antibody ]

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# **EEF1G Rabbit pAb**

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 1937 **SWISS:** P26641

Target: EEF1G

**Immunogen:** KLH conjugated synthetic peptide derived from human EEF1G:

251-350/437.

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: EF-1 (elongation factor-1) is a multi-protein complex that is responsible for the delivery of aminoacyl-tRNAs to the ribosome. EF-1 gamma (elongation factor 1-gamma), also known as EEF1G or GIG35, is a 437 amino acid subunit of the EF-1 complex. Expressed in stomach, pancreas, brain, lung, kidney, intestine, liver and spleen, EF-1 gamma contains an N-terminal glutathione transferase domain which is thought to be involved in anchoring the complex to various cellular components. Additionally, EF-1 gamma may play a key role in the assembly of multiprotein complexes containing aminoacyl-tRNA synthetases. Increased expression of EF-1 gamma is associated with pancreatic cancer, suggesting a possible role for EF-1 gamma in the oncogenic transformation process.

Applications: WB (1:500-2000)

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

Reactivity: Human, Mouse, Rat

(predicted: Rabbit, Pig, Cow, Dog, Horse)

Predicted 50 kDa

Subcellular Extracellular matrix

Location: , Nucleus

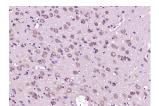
### VALIDATION IMAGES -



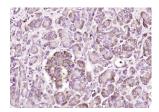
Sample: Hela Cell (Human) Lysate at 40 ug Primary: Anti-EEF1G (bs-13056R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-EEF1G (bs-13056R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EEF1G) Polyclonal Antibody, Unconjugated (bs-13056R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded

(human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EEF1G) Polyclonal Antibody, Unconjugated (bs-13056R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

## - SELECTED CITATIONS -

• [IF=3.81] Huang, Yu - lin, et al. "Spermatogenesis - associated proteins at different developmental stages of buffalo testicular seminiferous tubules identified by comparative proteomic analysis." Proteomics (2016). WB; Others. 27173832