## bs-2800R

## [ Primary Antibody ]

# **Endo G Rabbit pAb**

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 2021 **SWISS:** Q14249

Target: Endo G

**Immunogen:** KLH conjugated synthetic peptide derived from human Endo G:

101-200/297.

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: The protein encoded by this gene is a nuclear encoded

endonuclease that is localized in the mitochondrion. The encoded protein is widely distributed among animals and cleaves DNA at GC tracts. This protein is capable of generating the RNA primers required by DNA polymerase gamma to initiate replication of

mitochondrial DNA. [provided by RefSeq, Jul 2008].

Applications: WB (1:500-2000)

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

Reactivity: Mouse, Rat

(predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)

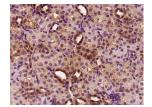
Predicted 35 kDa MW.:

Subcellular Cytoplasm , Nucleus

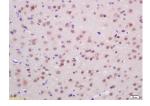
### VALIDATION IMAGES



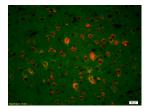
Sample: Brain (Mouse) Lysate at 30 ug Primary: Anti- Endo G (bs-2800R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/10000 dilution Predicted band size: 35kD Observed band size: 35 kD



Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); 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 (Endo G) Polyclonal Antibody, Unconjugated (bs-2800R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat 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-Endo G Polyclonal Antibody, Unconjugated(bs-2800R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue;4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Endo G Polyclonal Antibody, Unconjugated(bs-2800R) 1:200, overnight at 4°C; The secondary antibody

was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C.	