

bs-11646R**[Primary Antibody]**

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

Humanin Rabbit pAb**— DATASHEET —**

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host: Rabbit | Isotype: IgG | Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human) Predicted MW.: 2.7 kDa Subcellular Location: Secreted |
| Clonality: Polyclonal | | |
| GeneID: Humanin | SWISS: Q8IVG9 | |
| Target: Humanin | | |
| Immunogen: KLH conjugated synthetic peptide derived from human Humanin: 1-24/24. | | |
| 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: Humanin, an endogenous anti-apoptotic peptide against Alzheimer disease-related insults, consists of 24 amino acids. The secreted protein is a neuroprotective factor against death induced by several different types of Alzheimer's disease genes. Humanin protects neuronal cells from damage caused by Alzheimer's disease genes, specifically APP (amyloid precursor protein). Humanin acts as a ligand for formyl peptide receptor-like 1 (FPRL1) with APP and utilizes its neuroprotective effects by inhibiting FPRL1 access to APP. The peptide prevents Bax translocation from cytosol to mitochondria. Humanin expression levels may be dependent on defects in energy production in muscles with mitochondrial abnormalities. The peptide has been detected in muscles of patients with the mitochondrial disease chronic progressive external ophthalmoplegia (CPEO). Humanin is mainly expressed in the kidney, heart, liver, testis and skeletal muscles. | | |

— SELECTED CITATIONS —

- **[IF=6.1]** Zou Liping. et al. The humanin analogue (HNG) alleviates intrauterine adhesions by inhibiting endometrial epithelial cells ferroptosis: a rat model-based study. HUM REPROD. 2023 Oct; IF,IHC ;Human,Rat. 37814907