

Datasheet for ABIN1410395

## **anti-Humanin antibody (AA 1-24) (Cy5.5)**



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | Humanin (MT-RNR2)                                                                                       |
| Binding Specificity: | AA 1-24                                                                                                 |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This Humanin antibody is conjugated to Cy5.5                                                            |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Humanin |
| Isotype:              | IgG                                                         |
| Predicted Reactivity: | Human                                                       |
| Purification:         | Purified by Protein A.                                      |

### Target Details

|                   |                                                                                          |
|-------------------|------------------------------------------------------------------------------------------|
| Target:           | Humanin (MT-RNR2)                                                                        |
| Alternative Name: | Humanin ( <a href="#">MT-RNR2 Products</a> )                                             |
| Background:       | Humanin, an endogenous anti-apoptotic peptide against Alzheimer disease-related insults, |

## Target Details

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.

Subcellular location: Secreted

Synonyms: HN,HUNIN, HUNIN\_HUMAN.

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C/-80 °C

Storage Comment: Store at -20°C, for long storage, store at -80°C. Avoid multiple freeze-thaw cycles

Expiry Date: 12 months