

# Product Information

**Anti-Humanin (HN)**

produced in rabbit, affinity isolated antibody

Catalog Number **H2414**

**Product Description**

Anti-Humanin (HN) is produced in rabbit using as immunogen a peptide corresponding to the human humanin protein (amino acids 9-24). The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Anti-Humanin (HN) reacts with amino acid residues 9-24 (LLLLTSEIDLPVKRRA) of human humanin. The antibody may be used in immunoblotting.

Humanin is a gene that encodes a short polypeptide. It abolishes death of neuronal cells caused by multiple types of familial Alzheimer's disease genes and by A $\beta$  amyloid, without effect on death by Q79 or superoxide dismutase-1 mutants. This polypeptide serves as a molecular clue for the development of new therapeutics for Alzheimer's disease targeting neuroprotection.

**Reagent**

Supplied as a solution of ~1 mg/mL in phosphate buffered saline containing 0.02% sodium azide.

**Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Storage/Stability**

Store at -20 °C. The product may be stored at 2-8 °C for up to three months. For prolonged storage, freeze in working aliquots at -20 °C. Avoid repeated freezing and thawing. Do not store in a "frost-free" freezer.

**Product Profile**

Immunoblotting: a working antibody dilution of 1:500 is recommended.

**Note:** In order to obtain the best results in various techniques and preparations, we recommend determining optimal working dilutions by titration.

**References**

1. Hashimoto, Y., et al., *Proc Natl. Acad. Sci. USA*, **98**, 6336-6341 (2001).

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