MTRNR2L2 Positive Control – Humanin

PRODUCT OVERVIEW

Product Name	Humanin (MTRNR2L2), Positive Control
Full Product Name	Humanin Positive Control
Product Gene Name	MTRNR2L2 positive control
Product Synonym Names	HN; HUNIN; MT-RNR2 antibody
Host	Rabbit
Form/Format	Western Blot Positive Control in SDS sample buffer.
Preparation and Storage	-20°C for long term storage.
Matching Pairs	Antibody: Humanin (MBS541832) Positive Control: Humanin (MBS542854)
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Matching Pairs	Antibody: Humanin (MBS541834) Positive Control: Humanin (MBS542854)
3D Structure	ModBase 3D Structure for Q8IVG9
Applications Tested/Suitable for MTRNR2L2 positive control	Western blot (WB)
Application Notes for MTRNR2L2 positive control	Western Blot: 1:500
Related Product Information for MTRNR2L2 positive control	Description: Western Blot positive control for Humanin Antibody Overview: Humanin is a peptide that is 21 or 24 amino acids long whether it is produced in the mitochondria or cytosol respectively. Humanin is encoded by the mi16S ribosomal RNA gene MT-RNR2 (2). Humanin is believed to have neuroprotective and cytoprotective effects. Studies have found humanin and humanin derivatives increase survival and physiological parameters in Alzheimer's disease models. Humanin is also believed to play neuroprotective roles in Huntington's deisease, prion disease and strokes. Humanin may playa role in various other ailments including protection against oxidative stress, atherosclerotic plaque formation, heart attack and diabetes. The pan-Humanin selective antibodies were generated using a synthetic peptide corresponding to amino acid region 5-24 on human Humanin peptide. The Humanin antibodies are affinity purified over immobilized antigen based affinity chromatography. The purified immunoglobulins are prepared in stabilization buffer for long term storage. Antigenic blocking peptides, and western blot positive control in ready to use SDS-sample buffer are available. Antibodies can be conjugated to fluorophores and other secondary enzymes upon request at nominal cost. The pan-Humanin selective antibodies will label all Humanin isoforms except Humanin 9. Humanin 9-selective antibody is available for detection of only the Humanin 9 isoform.
Other Notes	Small volumes of MTRNR2L2 positive control vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MTRNR2L2 purchase	MBS542854 is a positive control targeting MTRNR2L2. Also known as Humanin Positive Control. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MTRNR2L2. It may not necessarily be applicable to this product.

NCBI GI #	299473783
NCBI GeneID	100462981
NCBI Accession #	NP_001177399.1
UniProt Primary Accession #	Q8IVG9
UniProt Related Accession #	P0CJ69
GenBank Nucleotide #	NM_001190470.1
NCBI Official Full Name	humanin-like 2
NCBI Official Synonym Full Names	MT-RNR2-like 2
NCBI Official Symbol	MTRNR2L2
NCBI Official Synonym Symbols	HN2
UniProt Protein Name	Humanin-like 2
UniProt Synonym Protein Names	MT-RNR2-like protein 2
Protein Family	Humanin
UniProt Gene Name	MTRNR2L2
UniProt Synonym Gene Names	HN2
UniProt Entry Name	HMN2_HUMAN
NCBI Protein Information	humanin-like 2
UniProt Comments for MTRNR2L2	MTRNR2L2: Plays a role as a neuroprotective and antiapoptotic factor. Belongs to the humanin family. Chromosomal Location of Human Ortholog: 5q14.1 Cellular Component: cytoplasm; extracellular region
Research Articles on MTRNR2L2	**1.** Data suggest that humanin (the first small peptide of a putative set of mitochondrial derived peptides) exhibits strong cytoprotective actions against various stress and disease models.
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