

Human Gigaxonin (GAN) ELISA Kit | GAN elisa kit

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CATALOG #
AAA187441

REACTIVITY
Human

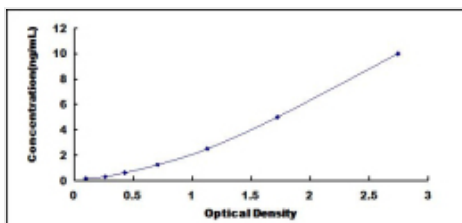
PRODUCT SYNONYMS

Gigaxonin (GAN); Human Gigaxonin (GAN) ELISA Kit; GAN1; KLHL16; Giant Axonal Neuropathy; Kelch-like protein 16; GAN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Gigaxonin (GAN). No significant cross-reactivity or interference between Gigaxonin (GAN) and analogues was observed.
Sequence Length	597
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Gigaxonin (GAN) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Gigaxonin (GAN) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GAN elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Gigaxonin (GAN). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Gigaxonin (GAN). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Gigaxonin (GAN), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Gigaxonin (GAN) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11545731
NCBI GeneID	8139
NCBI Accession #	NP_071324.1
NCBI GenBank Nucleotide #	NM_022041.3
UniProt Accession #	Q9H2C0
Molecular Weight	67,638 Da
NCBI Official Full Name	gigaxonin
NCBI Official Synonym Full Names	gigaxonin
NCBI Official Symbol	GAN
NCBI Official Synonym Symbols	GAN1; KLHL16
NCBI Protein Information	gigaxonin
UniProt Protein Name	Gigaxonin
UniProt Gene Name	GAN
UniProt Synonym Gene Names	GAN1; KLHL16

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/gigaxonin-gan/187441>