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Datasheet for ABIN5652170 **BNIP3 CLIA Kit**

Overview

Quantity:	96 tests
Target:	BNIP3
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.625 ng/mL - 40 ng/mL
Minimum Detection Limit:	0.625 ng/mL
Application:	ELISA

Product Details

Sample Type:	Cell Lysate, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Chemiluminescent
Specificity:	This assay has high sensitivity and excellent specificity for detection of Bcl2/Adenovirus E1B 19 kDa Interacting Protein 3 (BNIP3). No significant cross-reactivity or interference between Bcl2/Adenovirus E1B 19 kDa Interacting Protein 3 (BNIP3) and analogues was observed.
Sensitivity:	0.03 ng/mL

Target Details

Target:	BNIP3
Alternative Name:	Bcl2/Adenovirus E1B 19kDa Interacting Protein 3 (BNIP3 Products)

Target Details

Background:	Gene Name: Bcl2/Adenovirus E1B 19 kDa Interacting Protein 3 Gene Aliases: NIP3
Gene ID:	84480
UniProt:	Q9ET45
Pathways:	Autophagy , Brown Fat Cell Differentiation

Application Details

Comment:	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.
Assay Time:	2 - 3 h
Plate:	Pre-coated
Protocol:	The microplate provided in this kit has been pre-coated with an antibody specific to Bcl2/Adenovirus E1B 19 kDa Interacting Protein 3 (BNIP3). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Bcl2/Adenovirus E1B 19 kDa Interacting Protein 3 (BNIP3). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Bcl2/Adenovirus E1B 19 kDa Interacting Protein 3 (BNIP3) level in the sample or standard.,
Assay Precision:	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Bcl2/Adenovirus E1B 19kDa Interacting Protein 3 (BNIP3) were tested 20 times on one plate, respectively Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Bcl2/Adenovirus E1B 19kDa Interacting Protein 3 (BNIP3) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Restrictions:	For Research Use only

Handling

Handling Advice:	Do not allow to contact skin or eyes. Calibrators, controls and specimen samples should be assayed in duplicate. Once the procedure has been started, all steps should be completed without interruption.
Storage:	4 °C,-20 °C
Storage Comment:	-20°C. Bring all reagents to room temperature before beginning test. The kit may be stored at 4°C for immediate use within two days upon arrival. Reseal any unused strips with desiccant pack. Minimize freeze/thaw cycles.
Expiry Date:	4-8 months