

ARG10407
anti-NT-proBNP antibody [13G12]Package: 200 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [13G12] recognizes NT-proBNP
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	13G12
Isotype	IgG2a
Target Name	NT-proBNP
Species	Human
Conjugation	Un-conjugated
Alternate Names	Natriuretic peptide B; BNP; BNP-32; Gamma-brain natriuretic peptide; Ventricular natriuretic peptide; brain natriuretic peptide; B-type natriuretic peptide; BNPT

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Protein A purified
Purification Note	Purified from cell culture supernatant.
Concentration	1.0-2.0 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NPPB
Gene Full Name	N-terminal prohormone of brain natriuretic peptide
Background	This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second

after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. The presence of myocardial injury is a significant predictor of mortality in hospitalized coronavirus disease 2019 (COVID-19) patients, and there is evidence of increased levels of natriuretic peptide B in hospitalized non-survivor COVID-19 patients. The protein also acts as an antimicrobial peptide with antibacterial and antifungal activity. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq, Aug 2020]

Function	May affect cardio-renal homeostasis (PubMed:17372040). Able to promote the production of cGMP although its potency is very low compared to brain natriuretic peptide 32 (PubMed:17372040). [UniProt]
Calculated Mw	15 kDa
PTM	The brain natriuretic peptide 32 form is cleaved at Pro-104 by the prolyl endopeptidase FAP (seprase) activity (in vitro). [UniProt]
Cellular Localization	Secreted. [UniProt]