

ARG11104 anti-NT-proBNP antibody [16F3]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [16F3] recognizes NT-proBNP
Tested Reactivity	Hu
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	16F3
Isotype	IgG1
Target Name	NT-proBNP
Species	Human
Immunogen	Carrier protein-conjugated synthetic peptide corresponding to aa. 13-27 of Human NT-proBNP.
Conjugation	Un-conjugated
Alternate Names	4-27; Natriuretic peptides B; 1-28; 1-29; 5-32; BNP; 1-32; 1-30; BNP-32; 5-29; 2-31; 4-30; 4-31; 4-32; 3-29; Gamma-brain natriuretic peptide; 3-30; 5-31; 3-32; 4-29

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4) and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
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	natriuretic peptide B
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 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, Nov 2014]
Function	Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3. [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]