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Anti-NPPB / BNP Antibody (clone 2D11)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS18181

Product Information

Application	WB, IHC-P, E, IP
Primary Accession	P16860
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3,k
Clone Names	2D11
Calculated MW	14726
Concentration (mg/ml)	0.3 mg/ml

Additional Information

Gene ID	4879
Alias Symbol	NPPB
Other Names	NPPB, BNP, Natriuretic peptides B, Natriuretic peptide B, Natriuretic protein, Brain type natriuretic peptide
Target/Specificity	Human NPPB / BNP
Reconstitution & Storage	Protein A purified
Precautions	Anti-NPPB / BNP Antibody (clone 2D11) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NPPB
Function	[Brain natriuretic peptide 32]: Cardiac hormone that plays a key role in mediating cardio-renal homeostasis (PubMed:1672777, PubMed:17372040, PubMed:1914098, PubMed:9458824). May also function as a paracrine antifibrotic factor in the heart (By similarity). Acts by specifically binding and stimulating NPR1 to produce cGMP, which in turn activates effector proteins that drive various biological responses (PubMed:1672777, PubMed:17349887, PubMed:17372040, PubMed:21098034, PubMed:25339504, PubMed:9458824). Involved in regulating the extracellular fluid volume and maintaining the fluid- electrolyte balance through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion (PubMed:1914098, PubMed:9458824). Binds the clearance receptor NPR3 (PubMed:16870210).

Cellular Location	[NT-proBNP]: Secreted Note=Detected in blood. [Brain natriuretic peptide 32]: Secreted. Note=Detected in blood.
Tissue Location	[Brain natriuretic peptide 32]: Detected in the cardiac atria (at protein level) (PubMed:2136732, PubMed:2138890) Detected in the kidney distal tubular cells (at protein level) (PubMed:9794555).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.