

Anti-NPPB Antibody (6G519)

Product Details

Ig Type:	IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6G519
Purification:	Protein G purified

Applications

Verified Activity:	1. Immunohistochemistry of paraffin-embedded human brain using TMAH-00823 in 30µg/ml dilute concentrations.
	2. Immunohistochemistry of paraffin-embedded human heart using TMAH-00823 in 30µg/ml dilute concentrations.
	3. Immunohistochemistry of paraffin-embedded human brain using TMAH-00823 in 30µg/ml dilute concentrations.
	4. Immunohistochemistry of paraffin-embedded human heart using TMAH-00823 in 30µg/ml dilute concentrations.
Application:	ELISA, IHC

Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human NPPB Protein
Antigen Species:	Human
Gene ID:	4879
Uniprot ID:	P16860
Synonyms:	γ-brain natriuretic peptide;Natriuretic peptides B;BNP;Gamma-brain natriuretic peptide;NPPB
Biology Area:	Signal Transduction

Research Background

Cardiac hormone that plays a key role in mediating cardio-renal homeostasis. May also function as a paracrine antifibrotic factor in the heart. Acts by specifically binding and stimulating NPR1 to produce cGMP, which in turn activates effector proteins that drive various biological responses. Involved in regulating the extracellular fluid volume and maintaining the fluid-electrolyte balance through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Binds the clearance receptor NPR3. May affect cardio-renal homeostasis. Able to promote the production of cGMP although its potency is very low compared to brain natriuretic peptide 32. May have a role in cardio-renal homeostasis. Able to promote the production of cGMP.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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