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Product datasheet for TA364016

NPPB Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	This antibody has been tested and validated in ELISA against BNP-34. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Reactivity:	Dog
Host:	Rabbit
Clonality:	Polyclonal
Formulation:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
Concentration:	N/A
Conjugation:	Unconjugated
Storage:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Database Link:	Entrez Gene 487441 Dog P16859
Background:	Brain natriuretic peptide (BNP), also known as B-type natriuretic peptide, is a hormone secreted by cardiomyocytes in the heart ventricles in response to stretching caused by increased ventricular blood volume. BNP is synthesized as a 134-amino acid preprohormone (preproBNP). The cleavage product into Brain natriuretic peptide 34 (BNP-34) is a cardiac hormone which may function as a paracrine antifibrotic factor in the heart. It also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Brain natriuretic peptide 34 binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3 This antibody was generated by immunization of rabbits with BNP-34 coupled to a carrier protein.
Synonyms:	BNP

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