Datasheet for ABIN7126751

anti-NPPB antibody

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Overview

Quantity:	100 µg
Target:	NPPB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NPPB antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment of human NPPB (exact sequence is proprietary)
Isotype:	IgG1
Specificity:	Natriuretic peptides comprise a family of three structurally related molecules: atrial natriuretic peptide (ANP), brain natriuretic peptide (BNP) and C-type natriuretic peptide (CNP). ANP and BNP act mainly as cardiac hormones, produced primarily by the atrium and ventricle, respectively, while the gene encoding C-type natriuretic peptide is expressed mainly in the brain. These peptides possess potent natriuretic, diuretic and vasodilating activities and are implicated in body fluid homeostasis and blood pressure control. ANP, BNP and CNP are highly homologous within the 17-residue ring structure formed by an intramolecular disulfide linkage. The genes which encode for ANP and BNP map to human chromosome 1p36.22. The gene which encodes for CNP maps to human chromosome 2q37.1.
Cross-Reactivity (Details):	Human.

Product Details

Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	NPPB
Alternative Name:	NPPB (NPPB Products)
Background:	Brain natriuretic peptide 32, Brain type natriuretic peptide, Gamma brain natriuretic peptide, Natriuretic peptide B, Natriuretic peptide precursor B, natriuretic peptide, brain type, Natriuretic peptides B, natriuretic protein, NPPB,Natriuretic Peptide B / NPPB Cellular localisation: Secreted.
Molecular Weight:	25-36kDa (glycosylated BNP precursor), 12kDa (deglycosylated mature BNP)
Gene ID:	4879
UniProt:	P16860
Pathways:	Hormone Activity

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Human heart, liver or uterus.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months