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Anti-NPR2 Antibody

Catalog # AP54082

Product Information

Application	WB, IF/IC
Primary Accession	P20594
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117022

Additional Information

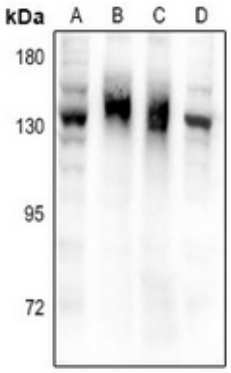
Gene ID	4882
Other Names	ANPRB; Atrial natriuretic peptide receptor 2; Atrial natriuretic peptide receptor type B; ANP-B; ANPR-B; NPR-B; Guanylate cyclase B; GC-B
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NPR2. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

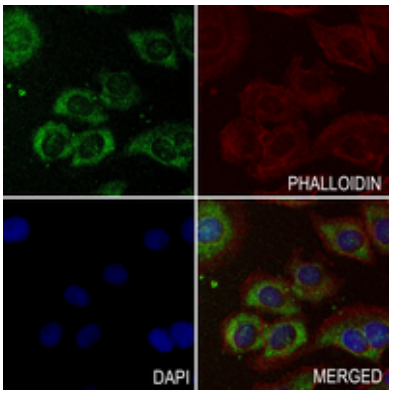
Name	NPR2
Synonyms	ANPRB
Function	Receptor for the C-type natriuretic peptide NPPC/CNP hormone. Has guanylate cyclase activity upon binding of its ligand. May play a role in the regulation of skeletal growth.
Cellular Location	Cell membrane; Single-pass type I membrane protein

Images

Western blot analysis of NPR2 expression in Hela (A), HEK293T (B), Raw264.7 (C), PC12 (D) whole cell lysates.



(Predicted band size: 117 kD; Observed band size: 130 kD)



Immunofluorescent analysis of NPR2 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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