

Anti-RND2 Antibody

Catalog # AP53830

Product Information

Application	WB, IF/IC
Primary Accession	P52198
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25369

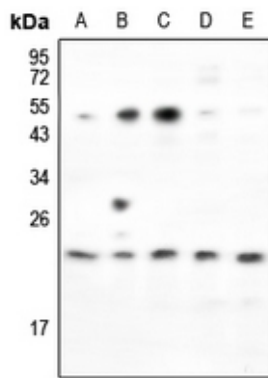
Additional Information

Gene ID	8153
Other Names	ARHN; RHO7; Rho-related GTP-binding protein RhoN; Rho family GTPase 2; Rho-related GTP-binding protein Rho7; Rnd2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RND2. 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

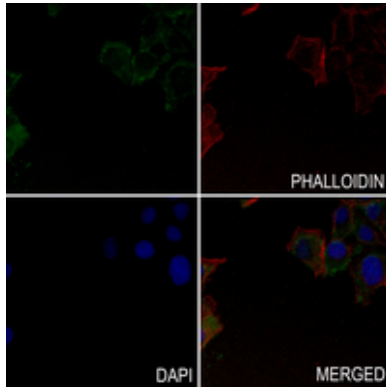
Protein Information

Name	RND2
Synonyms	ARHN, RHO7
Function	May be specifically involved in neuronal and hepatic functions. Is a C3 toxin-insensitive member of the Rho subfamily (By similarity).
Cellular Location	Cytoplasmic vesicle, secretory vesicle, acrosome membrane; Lipid-anchor; Cytoplasmic side. Note=Colocalizes with RACGAP1 in Golgi-derived proacrosomal vesicles and the acrosome.
Tissue Location	Highly expressed in testis.

Images



Western blot analysis of RND2 expression in mouse testis (A), rat testis (B), Beas2B (C), MCF7 (D), A549 (E) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)



Immunofluorescent analysis of RND2 staining in HepG2 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 humidified 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).

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