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Product Data Sheet

Anti-CD42c Antibody

Catalog #	Source	Reactivity	Applications
CPA1482	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to CD42c
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD42c. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of CD42c protein.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)
Gene Symbol	GP1BB
Alternative Names	Platelet glycoprotein Ib beta chain; GP-Ib beta; GPIb-beta; GPIbB; Antigen CD42b-beta; CD42c
Entrez Gene	2812 (Human); 14724 (Mouse); 116727 (Rat)
SwissProt	P13224 (Human); P56400 (Mouse); Q9JJM7 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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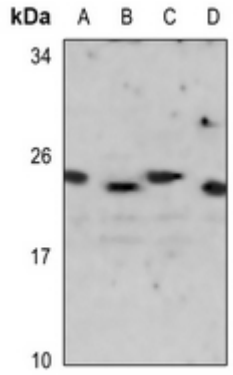
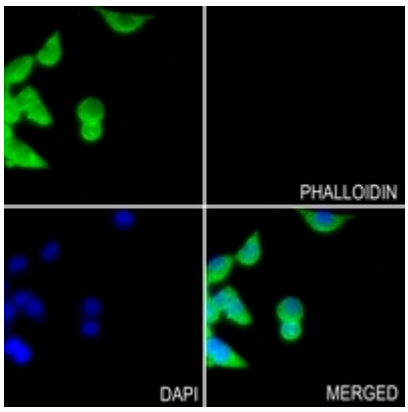


Western blot analysis of CD42c expression in mouse testis (A), mouse heart (B), rat testis (C), rat heart (D) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 22 kD)



Immunofluorescent analysis of CD42c staining in MCF7 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).

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