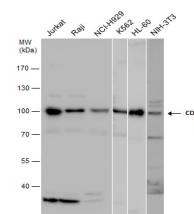


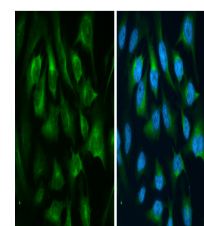
Product Datasheet

CD71 antibody [N2C1], Internal GRP27

Description	Cellular uptake of iron occurs via receptor-mediated endocytosis of ligand-occupied transferrin receptor into specialized endosomes. Endosomal acidification leads to iron release. The apotransferrin-receptor complex is then recycled to the cell surface with a return to neutral pH and the concomitant loss of affinity of apotransferrin for its receptor. Transferrin receptor is necessary for development of erythrocytes and the nervous system (By similarity). A second ligand, the hereditary hemochromatosis protein HFE, competes for binding with transferrin for an overlapping C-terminal binding site.
Species/Host	Rabbit
Reactivity	Human, Mouse
Conjugation	Unconjugated
Tested Applications	ICC, IF, WB
Immunogen	Recombinant protein encompassing a sequence within the center region of human CD71. The exact sequence is proprietary.
Form/Appearance	Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration	1 mg/ml
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Note	For research use only.
Isotype	IgG
Clonality	Polyclonal
Purity	Purified by antigen-affinity chromatography.
Uniprot ID	P02786
Entrez	7037
Dilution Range	WB: 1:500-1:3000, ICC: 1:100-1:1000



CD71 antibody detects CD71 protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 7.5% SDS-PAGE, and the membrane was blotted with CD71 antibody (GRP479) diluted at a dilution of 1:1000. The HRP-conjugated anti-rabbit I



CD71 antibody [N2C1], Internal GRP27 detects CD71 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: CD71 protein stained by CD71 antibody [N2C1], Internal (GRP479)