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Product Data Sheet

Anti-ESYT1 Antibody

Catalog #	Source	Reactivity	Applications
CQA4399	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to ESYT1
Immunogen	Recombinant fusion protein of human ESYT1. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of ESYT1 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 - 1/2000), IF/IC (1/50 - 1/200)
Gene Symbol	ESYT1
Alternative Names	FAM62A; KIAA0747; MBC2; Extended synaptotagmin-1; E-Syt1; Membrane-bound C2 domain-containing protein
Entrez Gene	23344 (Human); 23943 (Mouse); 29579 (Rat)
SwissProt	Q9BSJ8 (Human); Q3U7R1 (Mouse); Q9Z1X1 (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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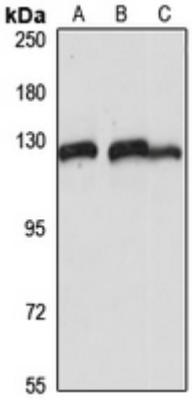
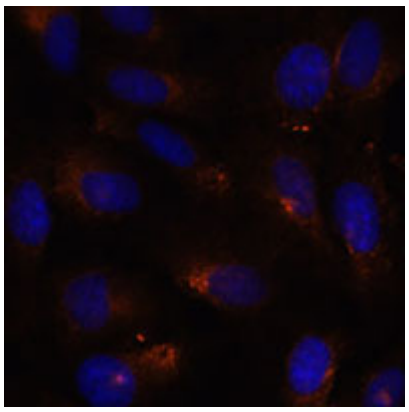


Western blot analysis of ESYT1 expression in Jurkat (A), HeLa (B), mouse brain (C) whole cell lysates. (Predicted band size: 122; 124 kD; Observed band size: 123 kD)



Immunofluorescent analysis of ESYT1 staining in U2OS 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 AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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