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Product Data Sheet

Anti-GW182 Antibody

Catalog #	Source	Reactivity	Applications
CQA1294	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to GW182
Immunogen	KLH-conjugated synthetic peptide of human GW182
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of GW182 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	TNRC6A
Alternative Names	CAGH26; KIAA1460; TNRC6; Trinucleotide repeat-containing gene 6A protein; CAG repeat protein 26; EMSY interactor protein; GW182 autoantigen; Protein GW1; Glycine-tryptophan protein of 182 kDa
Entrez Gene	27327 (Human); 233833 (Mouse)
SwissProt	Q8NDV7 (Human); Q3UHK8 (Mouse)
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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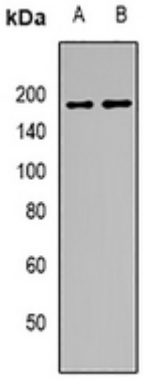
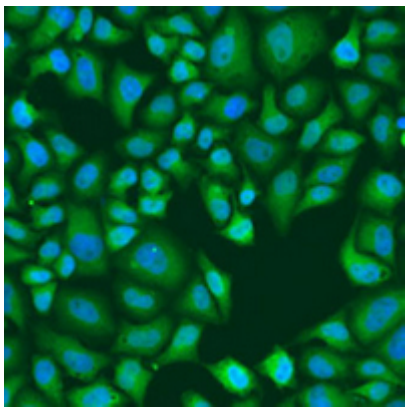


Western blot analysis of GW182 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 17; 36; 182; 205; 206; 210 kD; Observed band size: 180 kD)



Immunofluorescent analysis of GW182 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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