

Anti-mGLUR7 Antibody

Catalog #	Source	Reactivity	Applications
CPA5465	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to mGLUR7		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human mGLUR7. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of mGLUR7 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 (1/100 - 1/500)		
Gene Symbol	GRM7		
Alternative Names	GPRC1G; MGLUR7; Metabotropic glutamate receptor 7; mGluR7		
Entrez Gene	2917 (Human); 108073 (Mouse); 81672 (Rat)		
SwissProt	Q14831 (Human); Q68ED2 (Mouse); P35400 (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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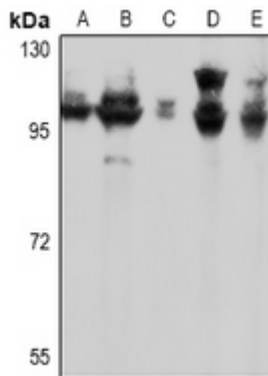
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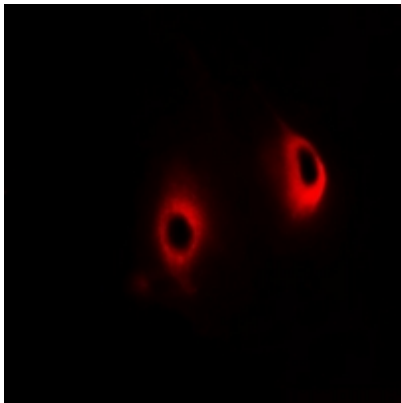
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Product Data Sheet



Western blot analysis of mGLUR7 expression in mouse brain (A), rat brain (B), HEK293T (C), HeLa (D), MCF7 (E) whole cell lysates. (Predicted band size: 102 kD; Observed band size: 102 kD)



Immunofluorescent analysis of mGLUR7 staining in A549 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 Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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