For research purposes only, not for human use

Product Data Sheet

Anti-GPR175 Antibody

Catalog #	Source	Reactivity	Applications
CPA2860	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to GPR175
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR175. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of GPR175 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	TPRA1
Alternative Names	GPR175; TMEM227; Transmembrane protein adipocyte-associated 1; Integral membrane protein GPR175; Transmembrane protein 227
Entrez Gene	131601 (Human); 24100 (Mouse)
SwissProt	Q86W33 (Human); Q99MU1 (Mouse); Q791F6 (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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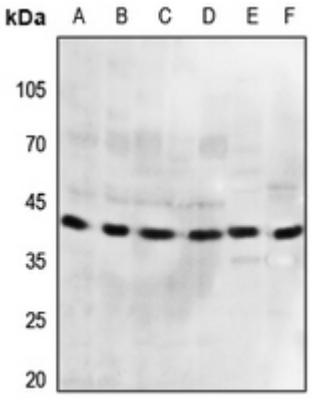
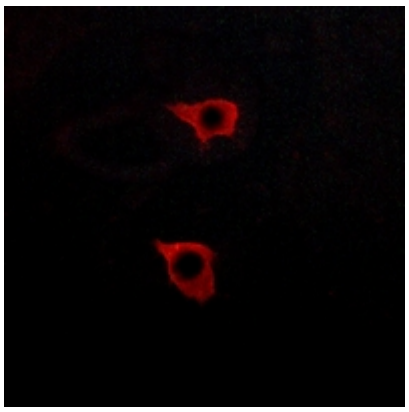


Western blot analysis of GPR175 expression in Hela (A), DLD (B), H460 (C), A2780 (D), mouse brain (E), mouse heart (F) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 41 kD)



Immunofluorescent analysis of GPR175 staining in LOVO 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 AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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