

Product Data Sheet

Anti-TSC2 Antibody

Catalog # Source Reactivity Applications

CPA5902 Rabbit H, M, R, Mk WB, IH

Description Rabbit polyclonal antibody to TSC2

Immunogen KLH-conjugated synthetic peptide encompassing a sequence within the C-term

region of human TSC2. The exact sequence is proprietary.

Purification The antibody was purified by immunogen affinity chromatography.

Specificity Recognizes endogenous levels of TSC2 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), IH (1/50 - 1/200)

Gene Symbol TSC2

Alternative Names TSC4; Tuberin; Tuberous sclerosis 2 protein

Entrez Gene 7249 (Human); 24855 (Rat)

SwissProt P49815 (Human); Q61037 (Mouse); P49816 (Rat)

Storage/Stability Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid

freeze/thaw cycles.

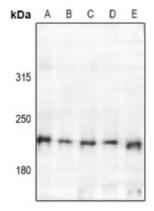
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC-Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, 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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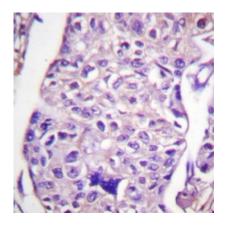
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Western blot analysis of TSC2 expression in rat brain (A), mouse brain (B), HepG2 (C), Panc1 (D), Myla2059 (E) whole cell lysates. (Predicted band size: 200 kD; Observed band size: 220 kD)



Immunohistochemical analysis of TSC2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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