

Product Data Sheet

Anti-GAT1 Antibody

Catalog # Source Reactivity Applications

CPA9297 Rabbit H, M, R WB, IH

Description Rabbit polyclonal antibody to GAT1

Immunogen KLH-conjugated synthetic peptide encompassing a sequence of human GAT1. The

exact sequence is proprietary.

Purification The antibody was purified by immunogen affinity chromatography.

Specificity Recognizes endogenous levels of GAT1 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 (1/1000 - 1/2000), IH (1/100 - 1/200)

Gene Symbol SLC6A1

Alternative Names GABATR; GABT1; GAT1; Sodium- and chloride-dependent GABA transporter 1; GAT-1;

Solute carrier family 6 member 1

Entrez Gene 6529 (Human)

SwissProt P30531 (Human)

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

freeze/thaw cycles.

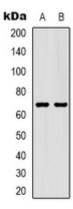
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, 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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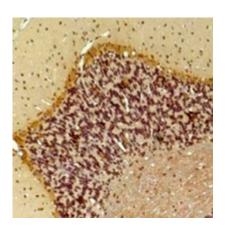
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Western blot analysis of GAT1 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 67 kD; Observed band size: 67 kD)



Immunohistochemical analysis of GAT1 staining in rat brain, mouse brain 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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