



AGBL5 polyclonal antibody

Catalog: BS33742

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cytosolic carboxypeptidase-like protein 5: Metallo-carboxypeptidase that mediates deglutamylation of tubulin and non-tubulin target proteins. Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of alpha- and beta-tubulin. Cleaves alpha- and gamma-linked polyglutamate tubulin side-chain, as well as the branching point glutamate. Also catalyzes the removal of alpha-linked glutamate residues from the carboxy-terminus of alpha-tubulin. Mediates deglutamylation of nucleotidyltransferase CGAS, leading to CGAS antiviral defense response activation

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~97.5 kDa

Swiss-Prot:

Q8NDL9

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of AGBL5 protein

DATA:

Western blot analysis of HSP27 (Phospho-S78) expression in SHSY5Y (A) whole cell lysates.

Immunofluorescent analysis of HSP27 (Phospho-S78) staining in SHSY5Y 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 an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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