

KO579

For research use only

Anti Rat PAG Monoclonal Antibody

Clone No. 120

This antibody was prepared by Dr. Takeshi Kaneko, Kyoto University.

Code No. KO579
Target PAG (Phosphate-activated Glutaminase)
Category Neuroscience
Gene ID 24398
Primary Source RGD:2707
Synonyms Glut; RATGLUT; Gls

Type Monoclonal Antibody
Immunogen Purified protein of Rat Brain PAG

Raised in Mouse
Myeloma P3-NS1/1-Ag4-1
Clone number 120
Purification Affinity Purified IgM
Source Serum-free medium
Isotype IgM
Cross Reactivity -

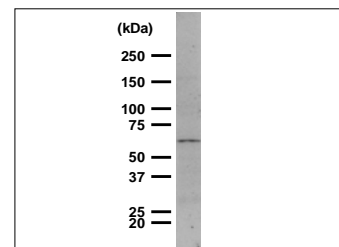
Label Unlabeled
Concentration 0.25 mg/mL

Contents (Volume) 50 µg (200 µL/vial)

Buffer PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]

Storage Store at -20°C long term, store at 4°C short term. Avoid repeated freeze-thaw cycles.

Application WB, IHC



[WB] Rat Brain lysate

ELISA	WB	IHC	ICC
Not tested	10	10	Not tested
IP	FCM	IF	Neutralization
Not tested	Not tested	Not tested	Not tested

(µg/mL)

Reference

- Kaneko T, et al. Production, characterization, and immunohistochemical application of monoclonal antibodies to glutaminase purified from rat brain. *J Neurosci.* 1987 Jan;7(1):302-9.
- Kaneko T, et al. Correlation between immunochemical characteristics and immunohistochemical applicability of nine lines of monoclonal antibodies against rat brain glutaminase. *J Histochem Cytochem.* 1988 Aug;36(8):997-1004. *Application Reference
- Kaneko T, et al. Glutaminase-like immunoreactivity in the lower brainstem and cerebellum of the adult rat. *Neuroscience.* 1989;32(1):79-98. *Application Reference
- Kaneko T, et al. Immunohistochemical study of glutaminase-containing neurons in the cerebral cortex and thalamus of the rat. *J Comp Neurol.* 1988 Jan 22;267(4):590-602. *Application Reference

UniPlot Summary

//Function: Catalyzes the first reaction in the primary pathway for the renal catabolism of glutamine.
 //Subcellular location: Mitochondrion.
 //Tissue specificity: Kidney, brain, and intestine.
 //Sequence similarities: Belongs to the glutaminase family. Contains 1 ANK repeat.