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KO579

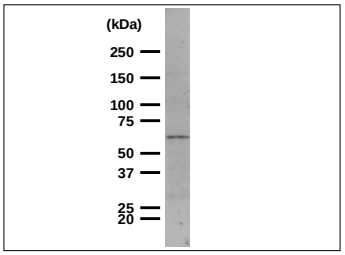
For research use only

Anti Rat PAG Monoclonal Antibody

Clone No. 120

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

Code No.	KO579
Terget	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 ℃ long term, store at 4 ℃ 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

1. 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.
2. 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
3. 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
4. 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.