Product Data Sheet:
Gluthamine Synthetase (GS)

Cat. No:	MAB-94604
Size:	100 ug
Clone:	P91E4
Concentration:	1mg/ml
Host:	Ms
Isotype:	IgG2a, κ
Immunogen:	Recombinant human GLUL protein expressed in HEK293T cell
Reactivity:	Hu,Ms, Rt
Applications:	Western Blot: 1.0 - 10 µg per mL. Immunohistochemistry (paraffin-embedded tissues): 0.5 - 10 µg/mL Immunocytochemistry: 2.0 - 10 µg/mL
Molecular Weight:	42kDa
Purification:	Aff. Pur.
Synonyms:	GLUL, Glutamine Synthetase
Background:	Glutamine Synthase (GLUL) is primarily expressed in astrocytes in the brain. The main function of GLUL is to catalyze the condensation of glutamate and ammonia to form glutamine. GLUL plays an important role in the metabolic regulation of glutamate, detoxification of brain ammonia, as well as recycling of neurotransmitters. GLUL expression in endothelial cells may be involved in cell migration during pathological angiogenesis. Upregulation of astrocytic GLUL to uptake excess ammonia and glutamate may play a neuroprotective role during neuroinflammation.
Form:	Liquid
Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Storage:	The antibody solution should be stored undiluted between 2°C and 8°C.

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