

Rabbit Anti-Glutamate Transporter 1/GLT1/EAAT2 Polyclonal: RC0016, RC0016RTU7

Intended Use: For Research Use Only

Description: This antibody reacts with human Toll-like receptor 2 (TLR2). It is a member of the Toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from *Drosophila* to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB.

Specifications:

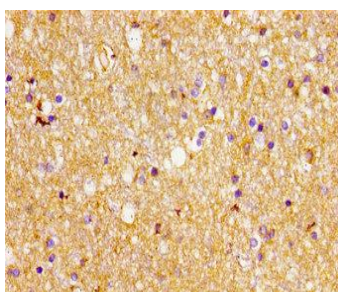
Clone: Polyclonal
Source: Rabbit
Isotype: IgG
Reactivity: Human, mouse, rat
Immunogen: Recombinant Human GLT2 protein aa 460-574
Localization: Membrane
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, IF, WB
Package:

Description	Catalog No.	Size
Glutamate Transporter 1/GLT1/EAAT2 Concentrated	RC0016	1 ml
Glutamate Transporter 1/GLT1/EAAT2 Prediluted	RC0016RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Brain tissue lysates and in PC12 cell line
Concentrated Dilution: 10-100
Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human brain tissue stained with anti-GLT1 using DAB

References

1. Excitatory Amino acid transporter expression in the essential tremor dentate nucleus and cerebellar cortex: A postmortem study. Jie Wang, et al. *Parkinsonism Relat Disord.* Nov;32:87-93, 2016.
2. GLAST But Not Least--Distribution, Function, Genetics and Epigenetics of L-Glutamate Transport in Brain--Focus on GLAST/EAAT1. Šerý O, et al. *Neurochem Res.* Dec;40(12):2461-72, 2015.
3. Decreased EAAT2 protein expression in the essential tremor cerebellar cortex. Lee M, et al. *Acta Neuropathol Commun.* Nov 13;2:157, 2014.