

Rabbit Anti-Toxoplasma Gondii Polyclonal: RC0260

Intended Use: For Research Use Only

Description: Toxoplasma is a crescent shaped sporozoan that lives as an intracellular parasite in various tissues of many vertebrates and completes its life cycle in a single host. Its life cycle includes two phases called the intestinal (or enteroepithelial) and extraintestinal phases. The intestinal phase produces oocysts and occurs only in cats, wild as well as domesticated. The extraintestinal phase occurs in all infected animals including cats, and produces tachyzoites (actively proliferating trophozoites) and eventually, bradyzoites (slowly growing trophozoites) or zoitocysts. Infection due to Toxoplasma gondii occurs in pregnant women where a variable degree of immunosuppression may exist or in patients receiving immunosuppressive drug therapy. Toxoplasma infects tissue of the GI tract where an active infection is accompanied by fever and enlargement of the spleen. Symptoms of toxoplasmosis are generally mild but severe infection of lymph nodes may occur. Congenital toxoplasmosis, in which the maternal infection is transmitted during pregnancy, can produce blindness or mental retardation in the newborn.

Specifications

Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Whole organisms
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, ELISA, ICC/IF
 Package:

Description	Catalog No.	Size
Toxoplasma Gondii Polyclonal Concentrated	RC0260	1 ml

IHC Procedure

Positive Control Tissue: Infected brain tissue
 Concentrated Dilution: 50-200 for indirect ICC/IF, end users need to optimize for IHC
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using 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.

References:

1. Detection of Toxoplasma gondii in cat's internal organs by immunohistochemistry methods labeled with-[strept] avidin-biotin. Hanafiah M, et al. Vet World. Sep;10(9):1035-1039, 2017.
2. Design and evaluation of a recombinant multi-epitope antigen for serodiagnosis of Toxoplasma gondii infection in humans. Hajissa K, et al. Parasit Vectors. Jun 11;8:315, 2015.
3. Latex-protein complexes from an acute phase recombinant antigen of Toxoplasma gondii for the diagnosis of recently acquired toxoplasmosis. Peretti LE, et al. Colloids Surf B Biointerfaces. Aug 1;120:88-96, 2014.
4. Diagnostic-test evaluation of immunoassays for anti-Toxoplasma gondii IgG antibodies in a random sample of Mexican population. Caballero-Ortega H, et al. J Infect Dev Ctries. May 14;8(5):642-7, 2014.

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