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Anti-Conjugated Epigallocatechine-3-Gallate Antibodies
RAT POLYCLONAL

Catalog Number: AB-T199
Quantity: 50 microliters
Format: Lyophilized and reconstituted with deionized water / 50% glycerol
Host: Rat
Isotype: IgG
Immunogen: synthetic EGCG conjugated to protein carrier

Specificity and Preparation:

Antiserum preabsorbed on protein carriers and purified. This antibody targets conjugated epigallocatechine-3-gallate (EGCG). **This antibody does not recognize free EGCG.**

Usage and Storage:

Applications include cancerology and immunology. Working dilutions must be determined by end user. Store the antibody at 4°C in a dry area for one month or -20°C in undiluted aliquots for up to two years. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

References:

1. Shimizu M, Deguchi A, Lim JTE, Moriwaki H, Kopelovich L, Weinstein IB. (1)-Epigallocatechin Gallate and Polyphenon E Inhibit Growth and Activation of the Epidermal Growth Factor Receptor and Human Epidermal Growth Factor Receptor-2 Signaling Pathways in Human Colon Cancer Cells. *Clin Cancer Res*, 11: 2735–46, 2005.
2. Hamza A, Zhan CG. How can (-)-epigallocatechin gallate from green tea prevent HIV-1 infection? Mechanistic insights from computational modeling and the implication for rational design of anti-HIV-1 entry inhibitors. *The Journal of Physical Chemistry, B* 110: 2910–7, 2006.
3. Sachdeva AK, Kuhad A, Chopra K. Epigallocatechin gallate ameliorates behavioral and biochemical deficits in rat model of load-induced chronic fatigue syndrome. *Brain Research Bulletin*, 86: 165–72, 2011.

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