IBL Data Sheet

Code No. 18163

Anti-Human
FHIT (F130) Rabbit IgG Affinity Purify

Volume : 100 µg

Lot No. :

Introduction : A candidate tumor suppressor gene, *FHIT* (Fragile Histidine Triad), was indicated at chromosome 3p14.2 spanning the FRA3B common fragile site. Abnormalities in structure and expression of the *FHIT* gene have been detected in a considerable fraction of lung tumors of small and non-small cell types. There are several reports on the correlations between abnormalities of the *FHIT* gene and clinicopathological features in lung cancer.

Antigen : Synthetic peptide of the C terminal part of Human FHIT

Purification : Purified with antigen peptide

Form : Lyophilized product from 1 % BSA in PBS containing 0.05% NaN_3

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 – 8 °C
: Solution, 2 years at –20 °C

Application : This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after microwave pretreatment by several techniques such as Avidin Biotin Complex (ABC) Method. The optimal concentration is 2-5 µg/mL, however, the concentration should be optimized by each laboratory.
: This antibody can be used for western blotting in concentration of 5 µg /mL.

Specificity : The specific was confirmed against various human cell lines and peripheral blood lymphocyte by WB, and against various human normal tissue by IHC.

Reference : 1. Tomizawa Y, Nakajima T, Kohno T, Saito R, Yamaguchi N, and Yokota J. Clinicopathological significance of Fhit protein expression in stage I non-small cell lung carcinoma. Cancer Res. 1998: 58 (23), 5478-5483.