

# Monoclonal Antibody to Trim5α

Cat. #: Mab-605061 (0.1mg)

## Description:

TRIM5-α is a protein that is found in the cells of many mammals and fends of various retrovirus infections. It protects monkeys from infection with HIV-1, and humans from infection with some other viruses. If a retrovirus has entered a cell, it needs to shed its capsid in order to reversely transcribe its genes, so that they can be expressed by the host cell. It is believed that TRIM5 α, which is present in the cytoplasm, somehow recognizes the capsid and blocks its shedding, thereby stopping the virus in its tracks. It thus represents an intracellular defense completely separate from the rest of the body's immune system.

## Immunogen/Specificity:

Ni-NTA purified truncated recombinant human trim5 α expressed in E. Coli strain BL21 (DE3)

## Applications :

Western Blot: Dilution 1: 1,000- 1: 5,000

IHC(P): Dilution 1: 100- 1: 400

IHC(F): Dilution 1: 200- 1: 400

Determining optimal working dilutions by titration test.

## Formulation

Crude Asites

## Reference:

1.Stremlau, M. Nature 2004.427:848-53.

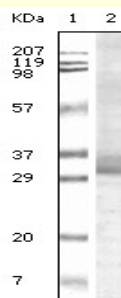
2.Song, B. J Virol. 2005.79(7):3930-7.

Clone Number: 3B11H2

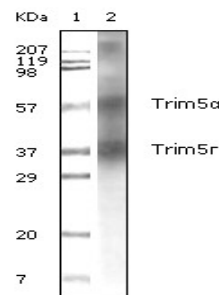
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Species: Human

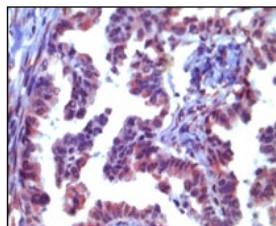
Storage and Stability: stored at -20 C



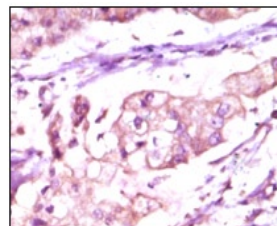
**Figure 1:** Western blot analysis using anti- human Trim5α monoclonal antibody against truncated trim5α recombinant protein.



**Figure 2:** Western blot analysis using anti- human Trim5α monoclonal antibody against lysate of breast tissue with Pierce's SuperSignal Femto substrate.



Human metastatic adenocarcinoma



Human stomach adenocarcinoma

**Figure 3:** Immunohistochemical analysis of paraffin-embedded metastatic adenocarcinoma (Left) showing cytoplasmic localization, human stomach adenocarcinoma (Right) showing cytoplasmic localization, using anti-human Trim5 α antibody. The second antibody- HRP was used before color development with AEC (left)& DAB(right).