Product datasheet

Anti-HIV tat antibody ab6539

Overview

Product name | Anti-HIV tat antibody
Description | Sheep polyclonal to HIV tat
Host species | Sheep
Specificity | The antibody will detect wild type HIV TAT protein.
Tested applications | Suitable for: Dot blot, WB, IP
Species reactivity | Reacts with: Other species
Immunogen | Fusion protein (E. coli)
Positive control | Purchase matching WB positive control: Recombinant HIV tat (mutated C22) protein

Properties

Form | Liquid
Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer | Constituent: Whole serum
Purity | Whole antiserum
Clonality | Polyclonal
Isotype | IgG

Applications

Our Abpromise guarantee covers the use of ab6539 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dot blot</td>
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</table>
The transcriptional transactivator (Tat) is a key regulatory protein of HIV. It is expressed early after the virus integrates into the cell, and stimulates the elongation of RNA polymerase II. It binds onto a sequence known as the TAR, or transactivator response element, located at the end of the HIV genetic chain. There, the tat protein helps assemble new copies of HIV. The tat protein-TAR complex speeds up the rate of viral reproduction by about a thousand times. If it is not present, the transcription process frequently stops short, and few functional HIV particles are produced. Tat is an important potential target for antiretrovirals and vaccine development.

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