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Outer Capsid Glycoprotein VP7 Polyclonal Antibody

(Catalog # A57501)

Background
Outer capsid protein involved in attachment and possibly entry into the host epithelial cell. It is subsequently lost, together with VP4, following virus entry into the host cell. The outer layer contains 780 copies of VP7, grouped as 260 trimers. Rotavirus attachment and entry into the host cell probably involves multiple sequential contacts between the outer capsid proteins VP4 and VP7, and the cell receptors. In integrin-dependent strains, VP7 seems to essentially target the integrin heterodimers ITGAX/ITGB2 and ITGA5/ITGB3 at a postbinding stage, once the initial attachment by VP4 has been achieved.

Description
Outer Capsid Glycoprotein VP7 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
Liquid. 0.03% Proclin 300, 50% Glycerol, 0.01M PBS, PH 7.4.

Specificity
Rotavirus A

Isotype
IgG

Uniprot ID
P10501

Purification
>95%, Protein G purified

Immunogen
Recombinant Rotavirus A Outer capsid glycoprotein VP7 protein (51-326AA)

Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

Alternative Names
Outer capsid glycoprotein VP7

Application
ELISA