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Datasheet for ABIN7151809

**anti-Genome Polyprotein (LOC100493440) (AA 566-862)
antibody (HRP)**

Overview

Quantity:	100 µg
Target:	Genome Polyprotein (LOC100493440)
Binding Specificity:	AA 566-862
Reactivity:	Human Enterovirus 71
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human enterovirus 71 Genome polyprotein protein (566-862AA)
Isotype:	IgG
Cross-Reactivity:	Human Enterovirus 71
Purification:	>95%, Protein G purified

Target Details

Target:	Genome Polyprotein (LOC100493440)
Alternative Name:	Genome polyprotein (LOC100493440 Products)
Target Type:	Viral Protein
Background:	Background: Capsid protein VP1: Forms an icosahedral capsid of pseudo T=3 symmetry with

Target Details

capsid proteins VP2 and VP3. The capsid is 300 Angstroms in diameter, composed of 60 copies of each capsid protein and enclosing the viral positive strand RNA genome. Capsid protein VP1 mainly forms the vertices of the capsid. Capsid protein VP1 interacts with host cell receptor to provide virion attachment to target host cells. This attachment induces virion internalization. Tyrosine kinases are probably involved in the entry process. After binding to its receptor, the capsid undergoes conformational changes. Capsid protein VP1 N-terminus (that contains an amphipathic alpha-helix) and capsid protein VP4 are externalized. Together, they shape a pore in the host membrane through which viral genome is translocated to host cell cytoplasm. After genome has been released, the channel shrinks.

Aliases: antibody, Genome polyprotein [Cleaved into: P1, Capsid protein VP0 antibody, VP4-VP2), Capsid protein VP4 antibody, P1A antibody, Virion protein 4), Capsid protein VP2 antibody, P1B antibody, Virion protein 2), Capsid protein VP3 antibody, P1C antibody, Virion protein 3), Capsid protein VP1 antibody, P1D antibody, Virion protein 1), P2, Protease 2A antibody, P2A antibody, EC 3.4.22.29 antibody, Picornain 2A antibody, Protein 2A), Protein 2B antibody, P2B), Protein 2C antibody, P2C antibody, EC 3.6.1.15), P3, Protein 3AB, Protein 3A antibody, P3A), Viral protein genome-linked antibody, VPg antibody, Protein 3B antibody, P3B), Protein 3CD antibody, EC 3.4.22.28), Protease 3C antibody, EC 3.4.22.28 antibody, Picornain 3C antibody, P3C), RNA-directed RNA polymerase antibody, RdRp antibody, EC 2.7.7.48 antibody, 3D polymerase antibody, 3Dpol antibody, Protein 3D antibody, 3D)] antibody

UniProt: [Q66478](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.