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**Antibody to Influenza-A Hemagglutinin H1N1**  
RABBIT POLYCLONAL

**Catalog Number:** AB-494  
**Quantity:** 5 micrograms, 15 micrograms, 100 micrograms  
**Format:** PBS pH 7.0, 0.005% NaN<sub>3</sub> and 50% glycerol.  
**Host:** Rabbit  
**Clone:** IHA-H1N1-PRS  
**Immunogen:** Recombinant Influenza A/New Caledonia/20/99

**Background:**

H1N1 is a subtype species of influenza A virus. H1N1 influenza virus has mutated into various strains such as the Spanish flu strain, mild human flu strains, endemic pig strains, and various strains found in birds. The influenza A virus is a globular particle about 100 nm in diameter, sheathed in a lipid bilayer derived from the plasma membrane of its host. Studded in the lipid bilayer are two integral membrane proteins some 500 molecules of hemagglutinin ("H") and some 100 molecules of neuraminidase ("N"). Within the lipid bilayer are 3000 molecules of matrix protein and 8 pieces of RNA. Each of the 8 RNA molecules is associated with many copies of a nucleoprotein, several molecules of the three subunits of its RNA polymerase some "non-structural" protein molecules of uncertain function.

**Specificity and Preparation:**

Influenza hemagglutinin protein is an envelope glycoprotein responsible for binding to sialic receptors and influenza viral entry into host cells. The antibody was produced by immunization of rabbits with purified recombinant influenza A/New Caledonia/20/99 produced in insect cells using baculovirus expression vector system. The antigen was purified under conditions that preserve the HA proteins biological activity and tertiary structure. The purity is 90%.

**Usage and Storage:**

Reported to be effective for immunoblotting (western blot, 0.5µg/ml). ELISA to be determined. Store at -20°C. Antibody is stable for two years at -20°C, one month at 4°C. Antibody is shipped in liquid form with ice packs. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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