

AP03009PU-N**Polyclonal Antibody to Orf1 - Aff - Purified**

Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	Orf1 (FrpD) is a <i>Neisseria meningitidis</i> outer membrane lipoprotein. Subcellular localization and [3H]palmitic acid labeling in <i>Escherichia coli</i> revealed that FrpD is synthesized with a type II signal peptide for export across the cytoplasmic membrane and is, upon processing to a lipoprotein, sorted to the outer bacterial membrane.
Host:	Rabbit
Immunogen:	Slices containing purified FrpD250-6xHis-tagged protein were excised from 10% SDS-PAGE gels, grinded, mixed with 1 mg/ml of aluminum hydroxide in PBS, and used to immunize a rabbit.
Format:	State: Liquid purified IgG fraction (> 95% pure by SDS-PAGE). Purification: Protein-A affinity chromatography. Buffer System: PBS, pH 7.4 with 15 mM sodium azide as preservative.
Applications:	Suitable for Western Blotting under Reducing conditions (0.2-1 µg/ml). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The polyclonal antibody reacts with Orf1 (FrpD), a 28 - 32 kDa <i>Neisseria meningitidis</i> outer membrane lipoprotein. Orf1 is highly conserved in a set of meningococcal strains representative of all serogroups and does not exhibit any similarity to known sequences of other organisms.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Prochazkova K, Osicka R, Linhartova I, Halada P, Sulc M, Sebo P. The <i>Neisseria meningitidis</i> outer membrane lipoprotein FrpD binds the RTX protein FrpC. <i>J Biol Chem.</i> 2005 Feb 4;280(5):3251-8. Epub 2004 Nov 2. PubMed PMID: 15525636.

Pictures:

Figure 1. Western Blotting analysis (reducing conditions) of recombinant protein Orf1 using polyclonal antibody AP03009PU-N: Lane 1, 3, 5: cell lysate of Orf1-transfected *E. coli*; dilution (1) 0.5 $\mu\text{g/ml}$, (3) 0.2 $\mu\text{g/ml}$, (5) 0.1 $\mu\text{g/ml}$; detection with Donkey anti-rabbit/HRP secondary antibody. Lane 2, 4, 6: cell lysates of non-transfected *E. coli* (negative controls).

