

Datasheet for ABIN7565715

Rabbit anti-Llama VHH Antibody



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	VHH
Reactivity:	Llama
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Rabbit Anti-VHH antibody can be used to detect single domain VHH antibodies.
Immunogen:	Immunogen: This antibody was prepared from whole rabbit serum produced by repeated immunizations with a VHH camelid domain protein. Immunogen Type: Native Protein
Isotype:	IgG
Cross-Reactivity (Details):	Anti-VHH antibody detects recombinant VHH proteins, native Llama IgG2 and native Llama IgG3.
Characteristics:	Anti-ALG6 antibody was designed, produced, and validated as part of the Joy Cappel Young Investigator Award (JCYIA). Dolichyl pyrophosphate Man9GlcNAc2 alpha-1,3-glucosyltransferase is an enzyme that is encoded by the ALG6 gene in humans. This gene encodes ALG6/ALG8 member of glucosyltransferase family. The encoded protein catalyzes the addition of the first glucose residue to the growing lipid-linked oligosaccharide precursor of N-linked glycosylation. Mutations in this gene are associated with congenital disorders of glycosylation type. Anti-ALG6 is ideal for researchers interested in Infectious disease, especially

Product Details

HIV and hepatitis virus infections. Anti-ALG6 antibody is applicable to methods for diagnosis and, in particular, to methods for diagnosing infections using biomarkers targeting exosomes secreted in bodily fluids.

Purification: Anti-VHH is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration.

Sterility: Sterile filtered

Target Details

Target: VHH

Background: The single-domain antibody (sdAb) is a small (12 - 14 kDa) antibody fragment that consists of a monomeric variable domain derived from the heavy chain, also called a VHH antibody. These heavy chain only Fab-like domains have activity that is similar to a whole antibody, and they are able to bind to a specific antigens. SdAb's are derived from camelid species that include llamas, alpacas and camels. Camelids produce both classical (containing heavy and light chain fragments) and non-classical antibody structures (containing only a heavy chain). VHH antibodies are the smallest functional antigen-binding fragment that occurs in nature and these are now being used in biotechnology as a novel antibody scaffold. The small size of the VHH single domain antibody makes it very attractive for use in diagnostic imaging and they have potential for therapeutic activity.

Application Details

Application Notes: Application Note: Anti-VHH antibody has been tested by ELISA and Western blot. Specific conditions for reactivity should be optimized by the end user. Some cross-reactivity to E.coli proteins may be observed. Western Blot Dilution: 1:1,000-1:5,000 ELISA Dilution: 1:10,000-1:50,000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 80 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: None

Handling

, 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months