

## Product Datasheet

### VHH Antibody (orb750529)

<b>Catalog Number</b>	orb750529
<b>Category</b>	Antibodies
<b>Description</b>	VhH
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Camelus
<b>Form/Appearance</b>	Liquid (sterile filtered)
<b>Concentration</b>	80mg/mL
<b>Buffer/Preservatives</b>	0.01% (w/v) Sodium Azide
<b>Purity</b>	Anti-VHH is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. Anti-VHH antibody detects recombinant VHH proteins, native Llama IgG2 and native Llama IgG3.
<b>Immunogen</b>	This antibody was prepared from whole rabbit serum produced by repeated immunizations with a VHH camelid domain protein.
<b>Tested applications</b>	ELISA, WB
<b>Dilution range</b>	ELISA: 1:10,000-1:50,000, WB: 1:1,000-1:5,000

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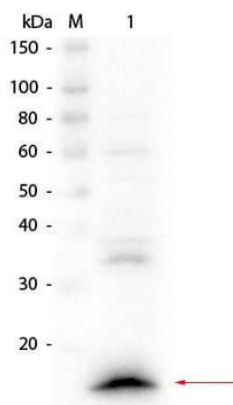
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<b>Application notes</b>	Anti-VhH antibody has been tested by ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user. Some cross-reactivity to E.coli proteins may be observed.
<b>Antibody Type</b>	Secondary Antibody
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Dry Ice Shipping</b>	<b>Please note: This product requires shipment on dry ice. A dry ice surcharge will apply.</b>
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Western Blot of Rabbit anti-VhH Antibody. Lane 1: Hela whole cell lysate spiked with VhH single-domain antibody. Load: 10  $\mu$ g lysate with 25 ng VhH. Primary antibody: Rabbit anti-VhH Antibody at 1:1000 o/n at 4°C. Secondary antibody: HRP Gt-a-Rb IgG (p/n orb347654) at 1:40000 for 30 min at RT. Block: orb348637 for 30 min at RT. Predicted/Observed size: 15 kDa, 15 kDa for VhH.

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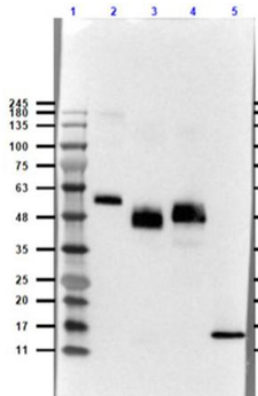
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Western Blot Results of Rabbit Anti-VhH Antibody. Lane 1: Opal Prestained Molecular Weight. Lane 2: Llama IgG1 isotype control (p/n orb343832) reduced [0.05 µg]. Lane 3: Llama IgG2 isotype control (p/n orb343834) reduced [0.05 µg]. Lane 4: Llama IgG3 isotype control (p/n orb343833) reduced [0.05 µg]. Lane 5: VhH Control Protein reduced [0.05 µg]. Primary Antibody: Anti-VhH [Rabbit] Antibody at 1:1000 overnight at 2-8°C. Secondary Antibody: Anti-Rabbit IgG [Goat] Peroxidase Conjugated (p/n orb347673) at 1:40000 for 30 mins at RT. Block: Blocking Buffer for Fluorescent Western Blotting (p/n orb348637) for 1 hr at RT. Expected: recognizes the VhH protein ~15 kDa and detects the llama IgG1, IgG2 and IgG3 proteins. Exposure: 6.8 sec.

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