Rabbit-anti-VHH QR10

Catalogue no.: **QR10**

Product: **Rabbit serum with polyclonal antibodies against llama single domain antibody fragments (VHH)**

Target: Animals from the *camelidae* family (i.e. camels, llamas and alpacas) contain a particular class of antibodies that are devoid of light chains. These so-called heavy chain-only antibodies (HcAbs) undergo normal selection and maturation by the animals' immune system. For this reason, HcAbs and their variable domains (VHHs, sdAb or Nanobody), can exhibit high affinities (nM range) and serum stability.

Source: Serum from the K900 rabbit series containing VHH.

Specificity: Detects llama single domain antibodies (VHH) with little to no cross-reactivity to conventional llama, human, rat and mouse Fc-domains.

Formulation: Crude serum, containing 0.02% sodiumazide.

Storage: Shipped on blue ice. Store at 4°C or -20°C (aliquots).

Applications [1-6]**:**

ELISA	(≈ 1:5000 dilution)
FACS	(≈ 1:1000 dilution)
IF/IHC	(≈ 1:1000 dilution)

Example:

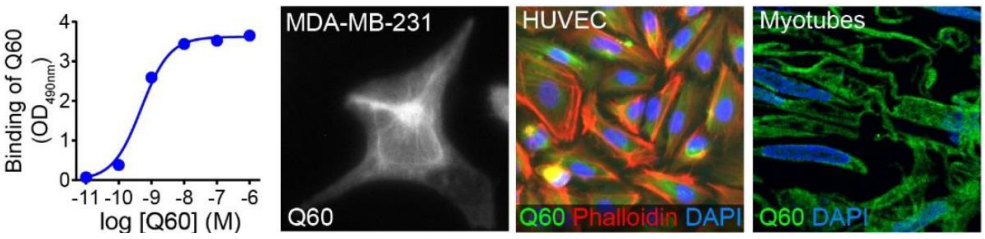

Figure 1. Examples of VHH detection using rabbit-anti-VHH antibodies. Detection of anti-vimentin VHH Q60 on immobilized recombinant vimentin in ELISA, MDA-MB-231 breast cancer and HUVEC cells in IF and myotubes in IHC. Bound VHHs were detected using rabbit-anti-VHH and donkey-anti-rabbit secondairy antibodies.

Products:

Cat. No.	Target	Label
QR10	VHH	No label

References:

1 Kijanka et al., (2017) J Struct Biol 199, 1-11
2 Calpe et al., (2015) Mol Cancer Ther 14. 2527-2540
3 Dorresteijn et al., (2015) FEBS J 282, 3618-3631
4 Cabanas-Danés et al., (2014) J Am Chem Soc 136, 12675-12681
5 Strokappe et al., (2012) Plos One 7, e33298
6 Ledeboer et al., (2002) J Dairy Sci 85, 1376-1382