

Anti-IgG1 (hinge) [TP885] Standard Size Ab01446-34.11

Isotype and Format: Camelid VHH, His-Tagged

Clone Number: TP885

Alternative Name(s) of Target: immunoglobulin G1

UniProt Accession Number of Target Protein:

Published Application(s): dot blot assay, IP

Published Species Reactivity: Rat, Mouse

Immunogen: This antibody was raised by immunising alpacas with 1.0 mg polyclonal mouse IgG. Subsequently, the generation of nanobody immune libraries and the selection of antigen-specific nanobodies by phage display from these libraries were performed.

Specificity: This antibody recognises mouse and rat IgG1, with a proposed epitope located at the hinge region.

Application Notes: TP885 nanobody can be used for the purification of antigens or antigen complexes previously bound to a primary antibody, as it successfully isolated mouse monoclonal IgG1 from hybridoma cell culture supernatant and then released it under physiological conditions using SUMOStar protease cleavage (Pleiner et al., 2018).

Antibody First Published in: Pleiner et al. A toolbox of anti-mouse and anti-rabbit IgG secondary nanobodies. J Cell Biol. 2018 Mar 5;217(3):1143-1154. doi: 10.1083/jcb.201709115. Epub 2017 Dec 20.

[PMID:29263082](#)

Note on publication: The article describes the generation and characterisation of this nanobody.

Product Form

Size: 50 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.