

Anti- His-tag

Description: The anti-His-tag antibody was generated by immunization of rabbits with different highly purified His-tagged proteins produced in insect cells. The anti-His-tag antibodies were then purified from sera by an antigen-affinity chromatography using a His -peptide as matrix.

Host species:	Rabbits
Antigen:	6x His-tagged proteins (C-terminal)
Purification:	Antigen-affinity purified (His-peptide column)
Stabilizer:	none
Buffer:	lyophilized from PBS, pH 7.4 w/o preservative
Formulation:	lyophilized rabbit IgG

The purified anti-His-tag antibodies from different immunizations were pooled and characterized in Western analysis. For this several His -tagged proteins expressed in insect cells were separated by SDS-PAGE. The results showed that the antibody recognizes all tested proteins fused to a C-terminal but not to a N-terminal His -tag. This antibody might be a very good tool to test supernatants or cell lysates for expression of recombinant proteins

Fig.1

Western blot (ECL) detection of different His-tagged proteins. For Western blot analysis each lane was loaded with 12,5-50 ng with the following His -tagged proteins:
1: TbTX; 2: IL-3; 3: VEGF₁₂₁; 4: PlGF-1; 5: Lac I repressor; 6: soluble FLT-4 .

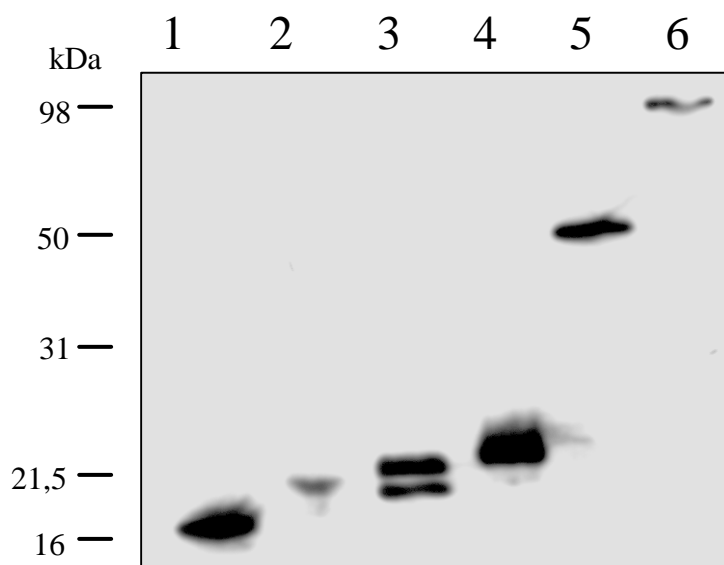


Fig. 2

Western blot (AP) of several His-tagged proteins from supernatants (A) and after purification (B) by affinity chromatography using metal chelate columns (Ni²⁺, Co²⁺) as matrix. The anti-His-tag antibody concentration used was 0.1 μg/ml.

