Product datasheet

anti-Vimentin guinea pig polyclonal, lyophilized, purified

Short overview

Cat. No.	610130
Quantity	50 µg
Concentration	50 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Human Vimentin
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	P08670 (Human), P20152 (Mouse)
Synomym	Vimentin, VIM
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ELISA, IHC, WB
Reactivity	Human, Mouse

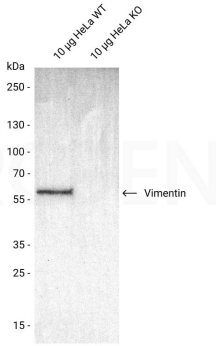
Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - paraffin	1:10-1:100 (0.5-5 µg/ml, microwave treatment recommended)
Western Blot (WB)	1:3,000 (0.02 µg/ml)

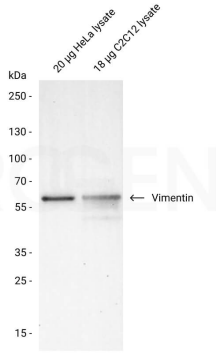
Background

Specific detection of vimentin (57 kDa polypeptide). Tumors specifically detected: Sarcoma (including myosarcoma), lymphoma, melanoma.

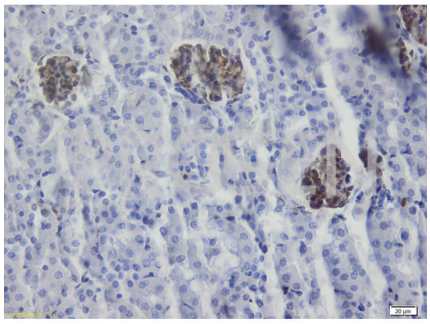
Product images



Western blot analysis of HeLa lysate with anti-Vimentin antibody. Western blot analysis was performed on 10 µg wild type (WT) and 10 µg Vimentin knockout (KO) HeLa lysate. The PVDF membrane was blocked with 5% milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibody anti-Vimentin guinea pig polyclonal (Cat. No. 610130) was diluted in blocking buffer (antibody concentration 0.02 µg/ml) and incubated for 1 h at RT. The secondary antibody anti-guinea pig, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate.



Western blot analysis of human HeLa and mouse C2C12 lysate with anti-Vimentin antibody. Western blot analysis was performed on 20 µg HeLa and 18 µg C2C12 lysate. The PVDF membrane was blocked with 5% milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibody anti-Vimentin guinea pig polyclonal (Cat. No. 610130) was diluted in blocking buffer (antibody concentration 0.02 µg/ml) and incubated for 1 h at RT. The secondary antibody anti-guinea pig, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using PierceTM ECL Western Blotting Substrate.



IHC analysis of murine kidney using anti-Vimentin antibody. IHC was performed on formalin fixed paraffin embedded sections. The samples were deparaffinized with xylol and ethanol followed by heat induced antigen retrieval with 10 mM citrate buffer. After preparation the tissue was blocked with normal serum for 20 min at RT. The primary antibody anti-Vimentin guinea pig polyclonal (Cat. No. 610130) was diluted in PBS (antibody concentration 1 µg/ml) and incubated at 4°C over-night. The secondary antibody ImmPRESS HRP anti-mouse IgG was incubated for 20 min at RT. Slides were incubated with DAB solution until a brown staining is visable and with Haemalaun for a few minutes (courtesy of J. Hess, University Hospital Heidelberg).