

Product datasheet

anti-Vimentin mouse monoclonal, XL-VIM-14.13, supernatant

Short overview

Cat. No.	65189
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	XL-VIM-14.13
Immunogen	Vimentin from cytoskeletal fraction of XLKE cells (cul-tured <i>Xenopus laevis</i> kidney epithelial cells)
Formulation	Contains 0.09% sodium azide
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IEM, IHC, WB
Reactivity	Carp, Human, Trout
No reactivity	Bovine

Applications

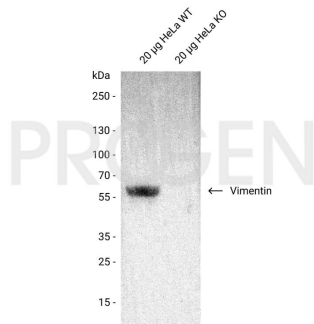
Cell-based Assay	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Western Blot (WB)	1:10-1:20

Background

The anti-Vimentin antibody detects an epitope within the rod domain of xenopus and trout vimentin. Vimentin of amphibia and fish, predominantly found in glial and white blood cells.

Polypeptide reacting: MW 53,325 (pI 4.95) intermediate filament protein (vimentin) of *Xenopus laevis* (epitope presumably located between amino acids 79 and 88 within rod domain).

Product images



Western blot analysis of HeLa lysate with anti-Vimentin antibody. Western blot analysis was performed on 20 µg wild type (WT) and 20 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 mouse monoclonal, XL-VIM-14.13 (Cat. No. 65189) was diluted in blocking buffer (1:10) and incubated for 1 h at RT. The secondary antibody anti-mouse IgG, HRP conjugate was also diluted in blocking buffer (antibody concentration 200 ng/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce™ ECL Western Blotting Substrate.

References

Publication	Species	Application
Zirwes, R. F., Kouzmenko, A. P., Peters, J. M., Franke, W. W. & Schmidt-Zachmann, M. S. Topogenesis of a nucleolar protein: determination of molecular segments directing nucleolar association. Mol. Biol. Cell 8, 231-48 (1997).	xenopus	WB,ICC-IF,IEM
Herrmann, H., Munick, M. D., Brettel, M., Fouquet, B. & Markl, J. Vimentin in a cold-water fish, the rainbow trout: highly conserved primary structure but unique assembly properties. J. Cell Sci. 109 (Pt 3, 569-78 (1996).	trout	WB,IHC (frozen)
Herrmann, H., Hofmann, I. & Franke, W. W. Identification of a nonapeptide motif in the vimentin head domain involved in intermediate filament assembly. J. Mol. Biol. 223, 637-50 (1992).	xenopus	ICC-IF