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 Xenopus laevis 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

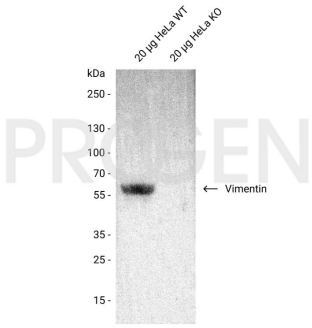
Cell-based Assay	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Western Blot (WB)	1:10-1:20

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 PierceTM 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