

Vimentin (Phospho-Ser39) Ab

Cat.#: AF8233	Concn.: 1mg/ml	Mol.Wt.: 53kDa
Size: 50ul,100ul,200ul	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:1000-3000, IF/ICC 1:100-1:500

Reactivity: Human

Purification: The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Specificity: Vimentin (Phospho-Ser39) Ab detects endogenous levels of Vimentin only when phosphorylated at Ser39

Immunogen: A synthesized peptide derived from human Vimentin (Phospho-Ser39)

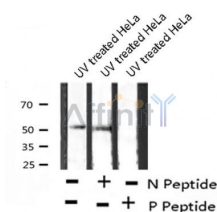
Uniprot: P08670

Subcellular Location: Cytoplasm.

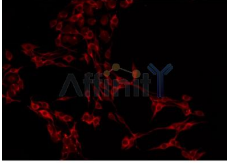
Tissue Specificity: Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.

Similarity: The central alpha-helical coiled-coil IF rod domain mediates elementary homodimerization. The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex. Belongs to the intermediate filament family.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt



Western blot analysis Vimentin (Phospho-Ser39) using UV treated HeLa whole cell lysates



AF8233 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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