

Vimentin Antibody, pAb, Rabbit

Cat. No.: A01189-40

Size: 40 µg

Synonyms: Rabbit anti Vimentin polyclonal antibody;

Description:

Vimentin is a member of the intermediate filament protein family. Intermediate filaments are an important structural feature of eukaryotic cells. They, along with microtubules and actin microfilaments, make up the cytoskeleton. Although most intermediate filaments form stable structures, in fibroblasts, vimentin exists as a dynamic structure.

GenScript **Rabbit Anti-Vimentin Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide within residues 300-350 of human vimentin protein (Swiss Prot: P08670).

Immunogen: Synthetic peptide (KLH-coupled) derived from within residues 300-350 of human vimentin (Swiss Prot: P08670)

Host: Rabbit

Antigen Synonyms: Human

Conjugation: Unconjugated

Predicated Band Size:

53 kD

Observed Band Size:

53 kD

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Ig Subclass: Rabbit IgG

Specificity: GenScript Rabbit Anti-Vimentin Polyclonal Antibody detects endogenous levels of human vimentin protein.

Purification: Immunoaffinity chromatography

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Western blot: 0.5-1 µg/ml

Immunohistochemistry: 5-10 µg/ml

Other applications: user-optimized

Species Reactivity: Human. This product has not yet been tested with other species.

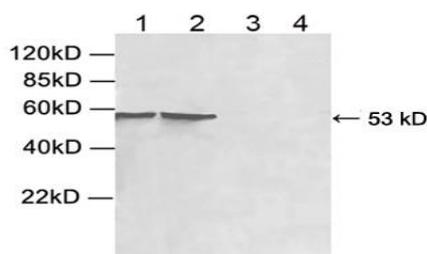
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

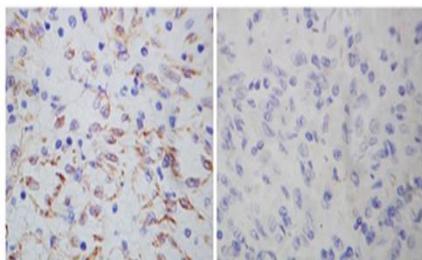
The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Western blot analysis of cell lysates using 1 µg/ml Rabbit Anti-Vimentin Polyclonal Antibody (GenScript, A01189)
Lane 1, 3: HeLa cell lysate
Lane 2, 4: HEK293 cell lysate
Primary antibody:
Lane 1, 2: Rabbit Anti-Vimentin Polyclonal Antibody
Lane 3, 4: Rabbit Anti-Vimentin Polyclonal Antibody pre-incubated with immunizing peptide

The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG.



Immunohistochemistry analysis of human spleen tissue slide (Paraffin embedded) using Rabbit Anti-Vimentin Polyclonal Antibody (Left, GenScript, A01189) and Purified Rabbit IgG (Whole molecule) Control (Right, GenScript, A01008)