

## DATASHEET

Version: 2016-08-17

### Vimentin Antibody, pAb, Rabbit

**Cat. No.:** A01191-40

**Size:** 40 µg

**Synonyms:** Rabbit Anti-Vimentin pAb;

#### 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 are stable structures, in fibroblasts, vimentin exists as a dynamic structure.

GenScript **Rabbit Anti-Vimentin Polyclonal Antibody** is developed in rabbit hosts using a KLH-coupled synthetic peptide within residues 70-120 of human vimentin protein (Swiss Prot: P08670).

**Immunogen:** Synthetic peptide (KLH-coupled) within residues 70-120 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 and mouse vimentin protein. Sequence homology predicts that it will also react with rat 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 and mouse. This product has not yet been tested with other species.

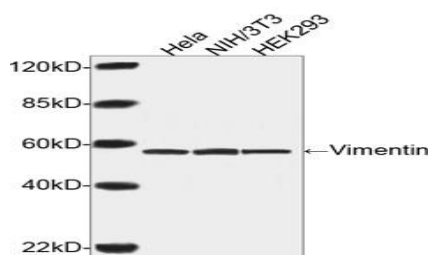
#### Reconstitution:

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

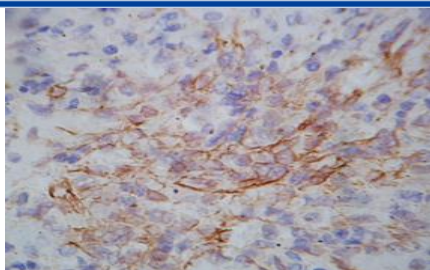
#### Storage:

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.

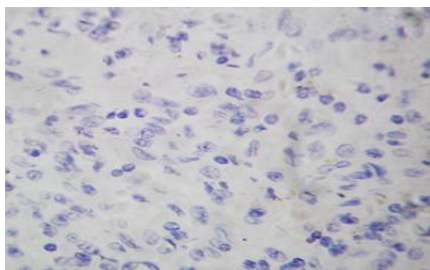
#### Example



Western blot analysis of cell lysates using Vimentin Antibody, pAb, Rabbit (GenScript, A01191, 1 µg/ml)  
The signal was developed with IRDye™ 800 Conjugated Goat Anti-Rabbit IgG  
Predicted Size: 53 kD  
Observed Size: 53 kD



Immunohistochemistry analysis of human spleen tissue slide (Paraffin embedded) using Rabbit Anti-Vimentin Polyclonal Antibody (GenScript, A01191)



Immunohistochemistry negative control analysis of human spleen tissue slide (Paraffin embedded) using Purified Rabbit IgG (Whole molecule) Control (GenScript, A01008)