

**AP20372PU-N****Polyclonal Antibody to Vimentin - Aff - Purified****Alternate names:**

VIM

**Quantity:**

0.1 mg

**Concentration:**

1.0 mg/ml

**Background:**

Cytoskeletal intermediate filaments (IFs) constitute a diverse group of proteins that are expressed in a highly tissue-specific manner. Intermediate filaments are constructed from two-chain,  $\alpha$ -helical, coiled-coil molecules arranged on an imperfect helical lattice and have been widely used as markers for distinguishing individual cell types within a tissue and identifying the origins of metastatic tumors. One such intermediate filament protein, Vimentin, is a general marker of cells originating in the mesenchyme. Vimentin is frequently coexpressed with other members of the intermediate filament family, such as the cytokeratins, in neoplasms including melanoma and breast carcinoma.

**Uniprot ID:**[P08670](#)**NCBI:**[NP\\_003371](#)**GeneID:**[7431](#)**Host:**

Rabbit

**Format:****State:** Liquid purified Ig fraction**Purification:** Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)**Buffer System:** Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2**Applications:****Western blot:** 1/500-1/1000.**Immunohistochemistry on paraffin sections:** 1/50-1/200.**Immunofluorescence:** 1/50-1/200.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:**

~ 57 kDa

**Specificity:**

This antibody detects endogenous levels of Vimentin protein.

**Species Reactivity:****Tested:** Human.**Expected from sequence similarity:** Mouse and Rat.**Storage:**

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**Pictures:**

**Western blot** analysis of Vimentin antibody (AP20372PU-N) in extracts from 293 cells.

