

## Product datasheet for **AP12614PU-N**

### VEGF Receptor 2 (KDR) pTyr996 Rabbit Polyclonal Antibody

#### Product data:

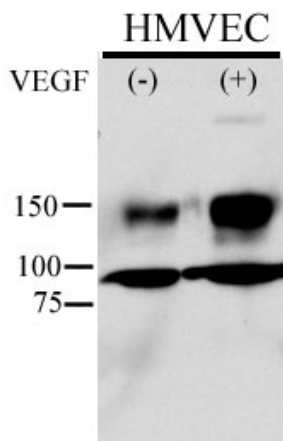
|                       |                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:         | Primary Antibodies                                                                                                                                                                                                                  |
| Applications:         | IHC, WB                                                                                                                                                                                                                             |
| Recommended Dilution: | ELISA: 1/1,000.<br>Western Blot: 1/100-1/500.<br>Immunohistochemistry: 1/50-1/100.                                                                                                                                                  |
| Reactivity:           | Human                                                                                                                                                                                                                               |
| Host:                 | Rabbit                                                                                                                                                                                                                              |
| Isotype:              | Ig                                                                                                                                                                                                                                  |
| Clonality:            | Polyclonal                                                                                                                                                                                                                          |
| Immunogen:            | KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y996 of human KDR/FLK1                                                                                                                     |
| Specificity:          | This antibody detects CD309 (KDR/Flk-1) pTyr996.                                                                                                                                                                                    |
| Formulation:          | PBS containing 0.09% (W/V) Sodium Azide as preservative.<br>State: Aff - Purified<br>State: Liquid purified Ig fraction.                                                                                                            |
| Concentration:        | lot specific                                                                                                                                                                                                                        |
| Purification:         | Affinity chromatography on Protein G                                                                                                                                                                                                |
| Conjugation:          | Unconjugated                                                                                                                                                                                                                        |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.                                                                                                   |
| Stability:            | Shelf life: one year from despatch.                                                                                                                                                                                                 |
| Gene Name:            | kinase insert domain receptor                                                                                                                                                                                                       |
| Database Link:        | <a href="#">Entrez Gene 3791 Human P35968</a>                                                                                                                                                                                       |
| Background:           | KDR (FLK1) is a receptor for VEGF or VEGFC. This protein has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. |
| Synonyms:             | VEGFR2, FLK1, KDR, VEGF Receptor 2                                                                                                                                                                                                  |



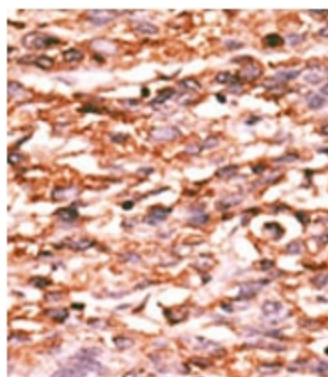
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Note: **Molecular weight:** 151527 Da

### Product images:



Anti-Phospho-KDR/FLK1-Y996 Pab is used in Western blot to detect Phospho-KDR/FLK1-Y996 in HMVEC cell line lysate. Endothelial cells were stimulated with 50ug/ml VEGF for 5min; 20ug lysate from HMVEC was loaded onto an 8% gel; for Western blot, membranes were incubated O/N with Phospho-KDR/FLK1-Y996 Antibody diluted to 1:500 in 1% Milk/TBST. Data and Protocol kindly provided by Dr. Weis from Cheresch Lab, UCSD.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.