

## Product datasheet for **AP02022SU-N**

### VEGFA Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, R, WB
Recommended Dilution:	<b>Radioimmunoassay</b> (1/400,000). <b>Western blot</b> (1/10,000). <b>Immunohistochemistry on CryoSections</b> (1/2,000). <b>Immunohistochemistry on Paraffin Sections</b> (1/300). <i>See also References 1-5 for more details.</i>
Reactivity:	Bovine, Human, Porcine
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Bovine Vascular Endothelial Growth Factor-164.
Specificity:	This antibody recognizes Bovine, Porcine domestic ruminants VEGF-164 and detects all Human VEGF isoforms (121, 165, 189, and 206). No cross reaction was obtained with PDGF-AA, PDGF-BB, PDGF-AB, FGF-1, FGF-2, and TGF-alpha.
Formulation:	State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore in aqua bidest to initial volume.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">Entrez Gene 281572 Bovine P15691</a>
Background:	Vascular endothelial growth factor (VEGF) is a growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. It induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis, and induces permeabilization of blood vessels.

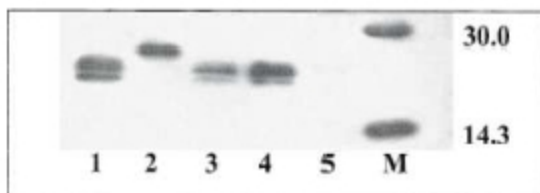


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**Synonyms:** VEGFA, VEGF, VPF, Vascular endothelial growth factor A, Vascular permeability factor

**Note:** LocusID 7124

**Product images:**



Western Blot analysis AP02022SU VEGF antibody specificity. Different recombinant Human (rh) and Recombinant Bovine (rb) VEGF proteins were separated by SDS-PAGE and immunoblotted with AP02022SU (1/10,000). Lane 1: rhVEGF165 (200ng). Lane 2: rhVEGF189 (cell lysate). Lane 3: rbVEGF164 (50ng). Lane 4: rbVEGF164 (100ng). Lane 5: rbVEGF164 (100ng) with AP02022SU preadsorbed with 15 mg/ml of rhVEGF165. Lane M: Rainbow Marker. Berisha B et al. (2000) *Biol. Reprod* 63 (4): 1106-14.



Immunohistochemistry of VEGF staining of Paraffin Sections of Bovine follicles using AP02022SU VEGF antibody. Antigen retrieval was performed by heating the dewaxed sections 4x to 95°C for 5min. The section was then treated with Hydrogen Peroxide (1%) in methanol for 30 min to block endogenous peroxidase. The section was incubated with AP02022SU (1/300) overnight, followed by staining with ABC method. DAB in 0.0006% Hydrogen Peroxide/0.05M Tris buffer (pH7.6) was used as the chromogen. This antibody stains the cytoplasm of granulosa and theca cells of mature follicles. Scale bar: 100 μm. Berisha B et al. (2002) *J. Endocrinol.* 167 (3): 371-382.