



Anti-Human NOV

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P245
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant human NOV. Anti-Human NOV specific antibody was purified by affinity chromatography employing immobilized human NOV matrix.

Target Background

Synonyms (Target):	NOV; CCN3; NOVh; IBP-9; IGFBP9; IGFBP-9
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NOV belongs to the CCN (CTGF/CYR61/NOV) family of secreted proteins that share a common multimodular organization. Each protein contains an IGFBP domain, a von Willebrand factor type C domain, a thrombospondin type I domain and a cysteine knot domain. NOV interacts with several proteins and is involved in both internal and external cell signaling.

Database References Target

Protein RefSeq:	NP_115618.3
Uniprot ID:	Q9UIW2
mRNA RefSeq:	NM_032242.3

Product Specifications

Species reactivity	Human
Clone/Ab feature	Rabbit IgG
Cross reactivity	Human
Host	Rabbit
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	Recombinant Human NOV
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Applications

Western Blot: To detect NOV by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant NOV is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA:

Indirect: To detect NOV by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 - 0.4 ng/well of recombinant NOV.

Sandwich: To detect NOV by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with an appropriate secondary conjugated antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant NOV.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!