

# Product Datasheet

## Amisyn Antibody NB100-1227

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 3

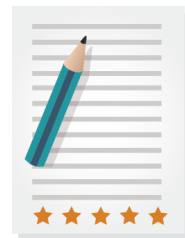
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**NB100-1227**

Amisyn Antibody

**Product Information**

|                      |                                                        |
|----------------------|--------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 mg                                                 |
| <b>Concentration</b> | 0.5 mg/ml                                              |
| <b>Storage</b>       | Store at -20C. Avoid freeze-thaw cycles.               |
| <b>Clonality</b>     | Polyclonal                                             |
| <b>Preservative</b>  | 0.02% Sodium Azide                                     |
| <b>Isotype</b>       | IgG                                                    |
| <b>Purity</b>        | Immunogen affinity purified                            |
| <b>Buffer</b>        | Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA |

**Product Description**

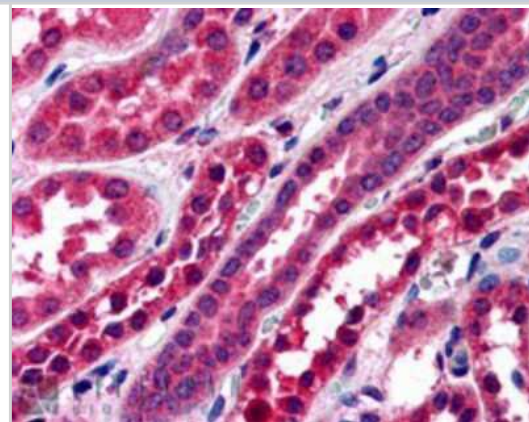
|                         |                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>      | Novus Biologicals Goat Amisyn Antibody (NB100-1227) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Amisyn Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>             | Goat                                                                                                                                                                                                                                    |
| <b>Gene ID</b>          | 29091                                                                                                                                                                                                                                   |
| <b>Gene Symbol</b>      | STXBP6                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human, Mouse                                                                                                                                                                                                                            |
| <b>Reactivity Notes</b> | Mouse reactivity reported in scientific literature (PMID: 24441682).                                                                                                                                                                    |
| <b>Immunogen</b>        | Peptide with sequence SAKSAISKEIFAP-C corresponding to N-Terminus according to NP_054897.4.                                                                                                                                             |

**Product Application Details**

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Recommended Dilutions</b> | Western Blot, Immunohistochemistry 3 - 5 ug/ml, Immunohistochemistry-Paraffin 3 - 5 ug/ml, Peptide ELISA Detection limit 1:32000                                                                                                                                                                                                                                                                                                                                   |
| <b>Application Notes</b>     | WB: Preliminary experiments gave bands at both approx. 25 kDa band and approx. 45 kDa band in human brain extracts at 0.1 ug/ml. Please note that currently we cannot find an explanation in scientific literature for the 45 kDa band we observe given the predicted MW of approx. 24 kDa band according to NP_054897. IHC-P: Human kidney shows cytoplasm staining of PCT and DCT cells. Use in Western blot reported in scientific literature (PMID: 24441682). |

**Images**

Immunohistochemistry: Amisyn Antibody [NB100-1227] - (3.8ug/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Chen S, Xing Z, Geng M et al. Macrophage fusion event as one prerequisite for inorganic nanoparticle-induced antitumor response *Science advances* 2023-07-21 [PMID: 37467339] (IHC-P, Mouse)

Scales SJ, Hesser BA, Masuda ES, Scheller RH. Amisyn, a novel syntaxin-binding protein that may regulate SNARE complex assembly. *J Biol Chem* 2002-08-02 [PMID: 12145319]

Huang TN, Chuang HC, Chou WH et al. Tbr1 haploinsufficiency impairs amygdalar axonal projections and results in cognitive abnormality. *Nat. Neurosci.* 2014-02-01 [PMID: 24441682] (WB, Mouse)





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### **Products Related to NB100-1227**

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| NBL1-16589      | Amisyn Overexpression Lysate                                           |
| HAF017          | Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| HAF109          | Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)] |
| NB410-28088-1mg | Goat IgG Isotype Control                                               |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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