

# Product Datasheet

## Fascin 2 Antibody NBP1-06036

Unit Size: 0.1 mg

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

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**NBP1-06036****Fascin 2 Antibody**

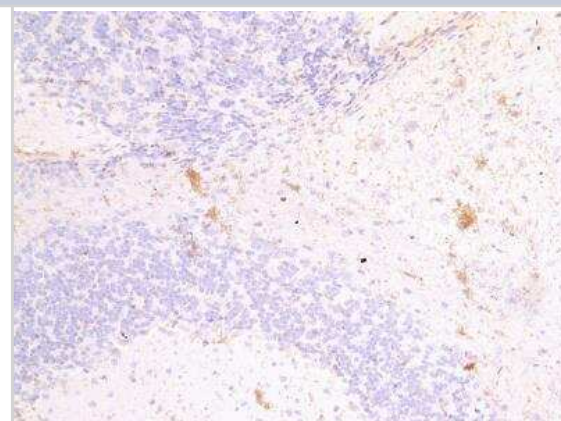
| <b>Product Information</b> |                                                        |
|----------------------------|--------------------------------------------------------|
| <b>Unit Size</b>           | 0.1 mg                                                 |
| <b>Concentration</b>       | 0.5 mg/ml                                              |
| <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 |

| <b>Product Description</b>     |                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | Goat                                                                                            |
| <b>Gene ID</b>                 | 25794                                                                                           |
| <b>Gene Symbol</b>             | FSCN2                                                                                           |
| <b>Species</b>                 | Mouse                                                                                           |
| <b>Specificity/Sensitivity</b> | This antibody is expected to recognize both reported isoforms (NP_001070650.1 and NP_036550.1). |
| <b>Immunogen</b>               | Peptide with sequence CHHRGSNQLDTNR corresponding to internal region according to NP_036550.1.  |

| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>                | Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunohistochemistry-Paraffin 4 ug/mL, Peptide ELISA Detection limit 1:64000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Application Notes</b>           | WB: Preliminary experiments gave bands at approx. 75 kDa band and 22 kDa band in mouse eye lysates after 0.05 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 57.4 kDa band according to NP_001070650.1 and 55.1 kDa band according to NP_036550.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). IHC-P successful usage on sections of mouse cochlea is reported in scientific literature (PMID: 20660251). |

**Images**

Immunohistochemistry-Paraffin: Fascin 2 Antibody [NBP1-06036] - Staining of paraffin embedded Mouse Brain. Antibody at 4 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



## Publications

Vignjevic D, Kojima S, Aratyn Y et al. Role of fascin in filopodial protrusion. J Biol 2006-09-11 [PMID: 16966425]

Shin JB, Longo-Guess CM, Gagnon LH et al. The R109H variant of fascin-2, a developmentally regulated actin crosslinker in hair-cell stereocilia, underlies early-onset hearing loss of DBA/2J mice. J Neurosci 2010-07-21 [PMID: 20660251] (IHC-P, Mouse)





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### **Products Related to NBP1-06036**

|                 |                                                                        |
|-----------------|------------------------------------------------------------------------|
| 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                                               |
| NBP3-17368PEP   | Fascin 2 Recombinant Protein Antigen                                   |

### **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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