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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08002 - Goat Anti-Fascin 2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus), RFSN, RP30, fascin 2, retinal fascin

Official Symbol: FSCN2

Accession Number(s): NP_001070650.1; NP_036550.1

Human GeneID(s): [25794](#)

Non-Human GeneID(s): 238021 (mouse), 303741 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_001070650.1 and NP_036550.1).

Immunogen

Peptide with sequence CHHRGSNQLDTNR, from the internal region of the protein sequence according to NP_001070650.1; NP_036550.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

IHC: Paraffin embedded Mouse Brain. Recommended concentration: 4µg/ml. This product was also successfully used on sections of mouse cochlea as described in Shin et al, J Neurosci. 2010 Jul 21;30(29):9683-94; PMID: 20660251.

Immunocytochemistry: This antibody has been successfully used in immunocytochemistry in Ling-Yun Zhou et al, Elife. 2023 Nov 20;12:e90155; PMID: 37982489.

Species Reactivity

Tested: Mouse

Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific References

This antibody has been successfully used in ICC on Mouse:

Ling-Yun Zhou, Chen-Xi Jin, Wen-Xiao Wang, Lei Song, Jung-Bum Shin, Ting-Ting Du & Hao Wu

Differential regulation of hair cell actin cytoskeleton mediated by SRF and MRTFB. Elife. 2023 Nov 20;12:e90155.

PMID: 37982489

This antibody has been successfully used in the following paper:

Ramakrishnan NA, Drescher MJ, Khan KM, Hatfield JS, Drescher DG.

HCN1 and HCN2 proteins are expressed in cochlear hair cells: HCN1 can form a ternary complex with protocadherin 15 CD3 and F-actin-binding filamin A or can interact with HCN2.

J Biol Chem. 2012 Nov 2;287(45):37628-46.

PMID: 22948144

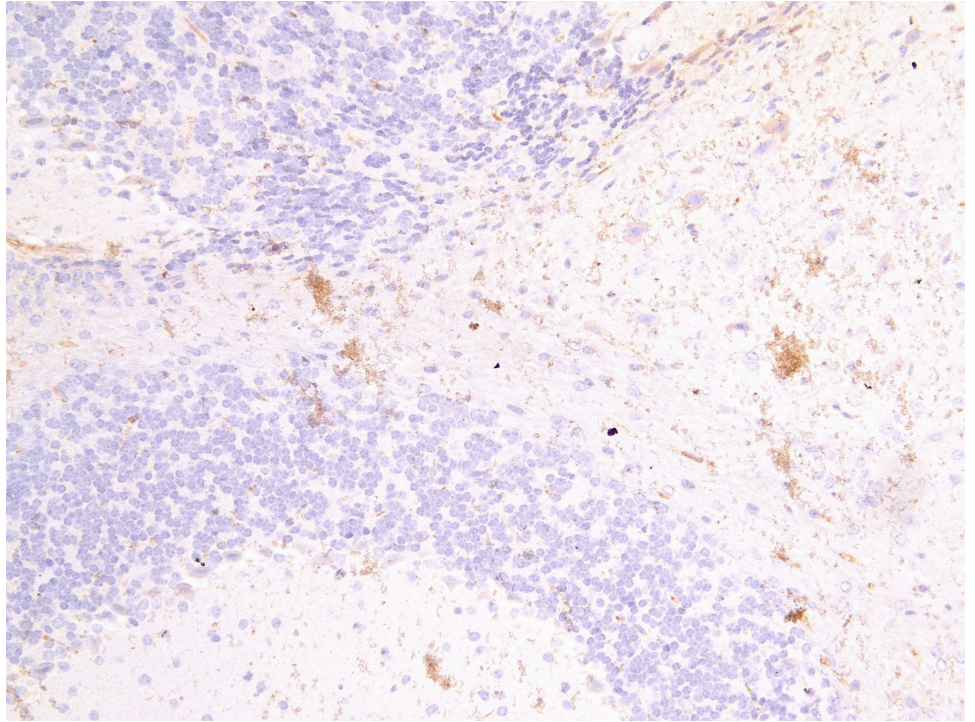
This antibody has been successfully used in IHC on Mouse:

Shin JB, Longo-Guess CM, Gagnon LH, Saylor KW, Dumont RA, Spinelli KJ, Pagana JM, Wilmarth PA, David LL, Gillespie PG, Johnson KR.

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 Jul 21;30(29):9683-94.

PMID: 20660251



EB08002 (4µg/ml) staining of paraffin embedded Mouse Brain. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.