

## Product Datasheet

Chickens make *better* antibodies.

# Anti-Netrin-1 Antibody

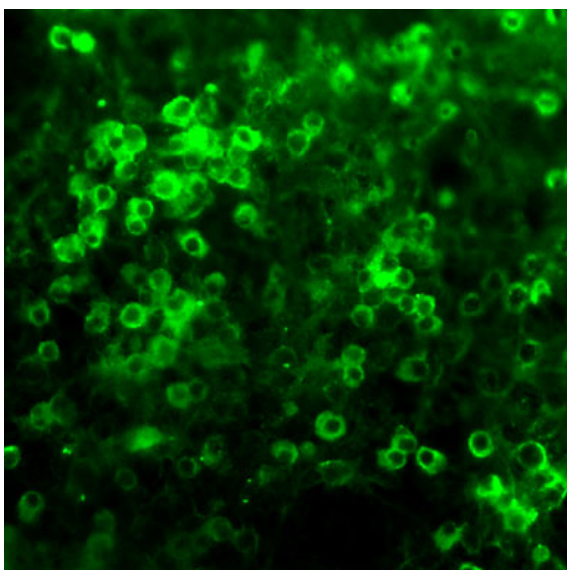
## Overview

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<b>Catalog #</b>	NET
<b>Concentration</b>	100 µg/mL
<b>Host Species</b>	Chicken Polyclonal
<b>Format</b>	Affinity-Purified IgY
<b>Buffer</b>	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
<b>Applications</b>	IHC 1:1000-1:2000 ICC 1:1000-1:2000
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide
<b>Molecular Weight</b>	67 kDa
<b>Cite this Antibody</b>	Aves Labs Cat# NET, RRID: AB_2313551

## Images

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Neurosphere (organoid) cultures of e13 mouse brain were cultured for 2 weeks, and then paraformaldehyde (2%) fixed. After extensive washing, the cultures were incubated with Netrin-1 antibody (Cat.# NET; 1:500 dilution), washed, and then treated with fluorescein-labeled goat anti-chicken IgY (Aves Cat.# F-1005; 1:500 dilution). Hoda Ilias, Aves Labs.

## Details

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<b>Target Description</b>	Murine netrin-1 precursor is a 67,768 dalton protein (604 amino acids) expressed by subpopulations of cells within the developing CNS, as well as in various non-neural tissues, including the gut, liver, heart, and prostate. In the embryonic CNS, netrin-1 is expressed by cells of the floor plate, and acts to attract axons of "commissural neurons" from the dorsal horn gray matter. Netrin-1 is also believed to play a role in the growth of motor axons in the PNS.
<b>Purification Method</b>	Chickens were immunized with a synthetic peptide-keyhole limpet hemocyanin (KLH) conjugate. This synthetic peptide corresponded to the netrin-1 gene product, but was shared between the human (O_095631, NCBI) and mouse (O_09118, NCBI) sequences. After repeated injections into the hens, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity purified using a peptide column, the concentrations of the eluate adjusted to 100 µg/mL, and the preparation filter-sterilized.
<b>Quality Control Tests</b>	Quality assurance analysis was performed using immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
<b>Storage</b>	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.

## Our Guarantee

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As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience how chickens make better antibodies.

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