

## Product datasheet

# Anti-Nodal antibody [EP2058Y] ab81287

Recombinant RabMAb

2 References 1 Image

### Overview

<b>Product name</b>	Anti-Nodal antibody [EP2058Y]
<b>Description</b>	Rabbit monoclonal [EP2058Y] to Nodal
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab81287 detects Pro-Nodal and Nodal.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, WB <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide within Human Nodal aa 300-400 (C terminal). The exact sequence is proprietary.
<b>Positive control</b>	Recombinant nodal protein.
<b>General notes</b>	Rat: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab<sup>®</sup> patents](#)

This product is a recombinant rabbit monoclonal antibody.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP2058Y
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab81287** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		1/60. <a href="#">ab172730</a> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/2000. Predicted molecular weight: 39 kDa. (Pro-Nodal) and 13 kDa (Nodal).

**Application notes** Is unsuitable for IHC-P or IP.

## Target

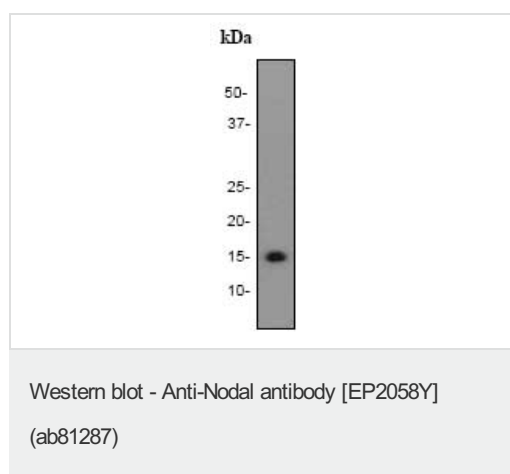
**Function** Essential for mesoderm formation and axial patterning during embryonic development.

**Involvement in disease** Defects in NODAL are the cause of visceral heterotaxy autosomal type 5 (HTX5) [MIM:270100]. A form of visceral heterotaxy, a complex disorder due to disruption of the normal left-right asymmetry of the thoracoabdominal organs. It results in an abnormal arrangement of visceral organs, and a wide variety of congenital defects. Clinical features of visceral heterotaxy autosomal type 5 include situs inversus viscerum or situs ambiguus, congenital heart defect, transposition of the great vessels ventricular septal defect, atrial septal defect, truncuscommunis, and dextrocardia.

**Sequence similarities** Belongs to the TGF-beta family.

**Cellular localization** Secreted.

## Images



Anti-Nodal antibody [EP2058Y] (ab81287) at 1/2000 dilution +  
Recombinant nodal  
protein at 10ng

### Secondary

HRP conjugated goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 39 kDa

**Observed band size:** 15 kDa

[why is the actual band size different from the predicted?](#)

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