

Product datasheet

Anti-Nodal antibody [EP2058Y] ab81287

Recombinant RabMAb

2 References 1 Image

Overview

Product name	Anti-Nodal antibody [EP2058Y]
Description	Rabbit monoclonal [EP2058Y] to Nodal
Host species	Rabbit
Specificity	ab81287 detects Pro-Nodal and Nodal.
Tested applications	Suitable for: Flow Cyt, WB Unsuitable for: IHC-P or IP
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to residues near the C-terminus of human Nodal.
Positive control	Recombinant nodal protein.
General notes	This product is a recombinant rabbit monoclonal antibody.

Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	PBS 49%,Sodium azide 0.01%,Glycerol 50%,BSA 0.05%
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EP2058Y
Isotype	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. ab172730 - 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

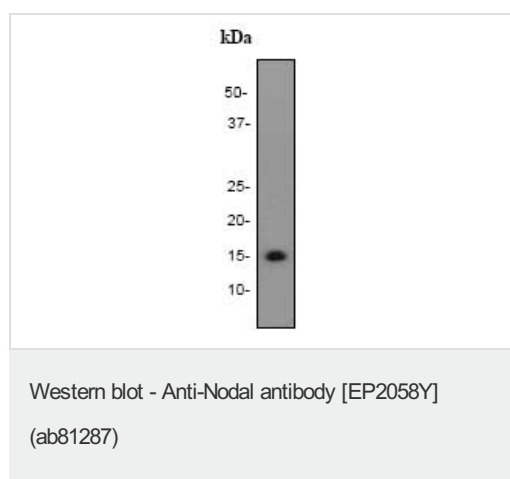
Function Essential for mesoderm formation and axial patterning during embryonic development.

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

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