Nodal rabbit pAb

Cat#: orb771281 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	Nodal rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from the C-terminal region of human NODAL. AA range:294-343
Specificity	Nodal Polyclonal Antibody detects endogenous levels of Nodal protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Nodal homolog
Gene Name	NODAL
Cellular localization	Secreted .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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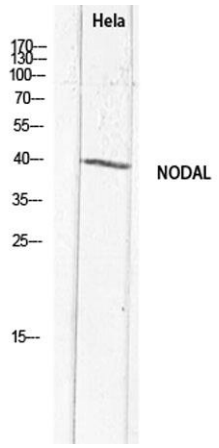
Concentration	1 mg/ml
Observed band	40kD
Human Gene ID	4838
Human Swiss-Prot Number	Q96S42
Alternative Names	NODAL; Nodal homolog

Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which regulates early embryonic development. This protein is required for maintenance of human embryonic stem cell pluripotency and may play a role in human placental development. Mutations in this gene are associated with heterotaxy, a condition characterized by random orientation of visceral organs with respect to the left-right axis. [provided by RefSeq, Aug 2016],



Western blot analysis of Hela lysis using NODAL antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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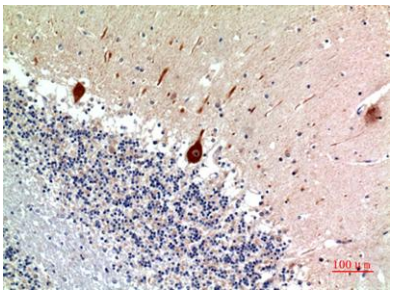

Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100

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