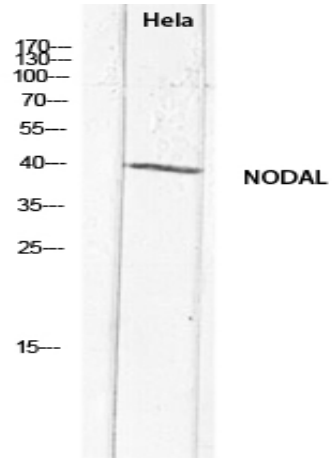
Best Tools for immunology Research

Nodal Polyclonal Antibody

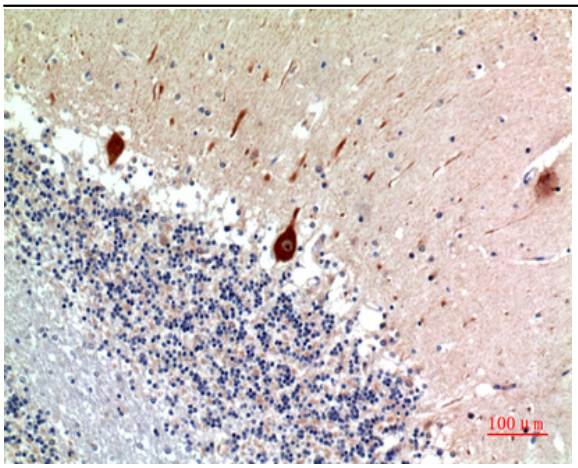
Catalog No :	YT5727
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Nodal
Fields :	>>Cytokine-cytokine receptor interaction;>>TGF-beta signaling pathway;>>Signaling pathways regulating pluripotency of stem cells
Gene Name :	NODAL
Protein Name :	Nodal homolog
Human Gene Id :	4838
Human Swiss Prot No :	Q96S42
Mouse Gene Id :	18119
Mouse Swiss Prot No :	P43021
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.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD
Cell Pathway :	TGF-beta;
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],
Function :	disease:Defects in NODAL may be a cause of situs ambiguus [MIM:601265].,function:Essential for mesoderm formation and axial patterning during embryonic development.,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked.,
Subcellular Location :	Secreted .
Expression :	Brain cortex,Fetal brain,
Sort :	10915
No4 :	1

Products Images



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



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