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NODAL Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant NODAL.
Catalog # AT3074a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q96S42
Other Accession	NM_018055
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	5C3
Calculated MW	39561

Additional Information

Gene ID	4838
Other Names	Nodal homolog, NODAL
Target/Specificity	NODAL (NP_060525, 275 a.a. ~ 346 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	NODAL Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

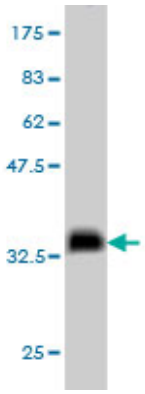
Background

The protein encoded by this gene is a member of the TGF-beta superfamily. Studies of the mouse counterpart suggested that this gene may be essential for mesoderm formation and subsequent organization of axial structures in early embryonic development.

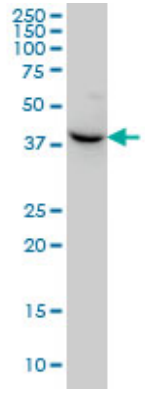
References

1.Reactivation of embryonic nodal signaling is associated with tumor progression and promotes the growth of prostate cancer cells.Lawrence MG, Margaryan NV, Loessner D, Collins A, Kerr KM, Turner M, Seftor EA, Stephens CR, Lai J, Postovit LM, Clements JA, Hendrix MJ; APC BioResource.Prostate. 2011 Jan 12. [Epub ahead of print]

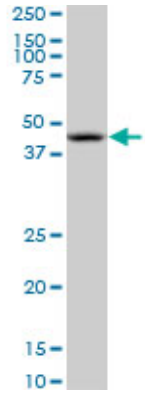
Images



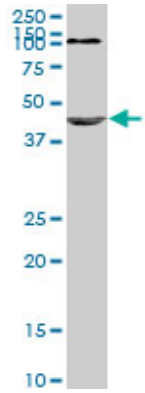
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.66 KDa) .



NODAL monoclonal antibody (M03), clone 5C3 Western Blot analysis of NODAL expression in HeLa ((Cat # AT3074a)

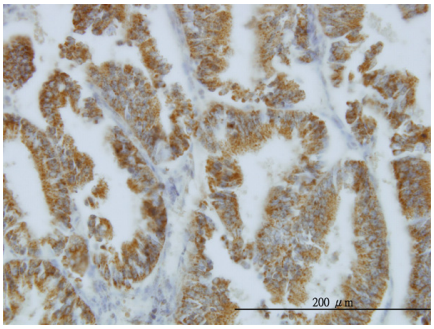


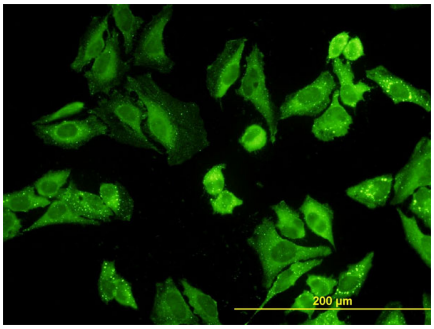
NODAL monoclonal antibody (M03), clone 5C3. Western Blot analysis of NODAL expression in PC-12 ((Cat # AT3074a)



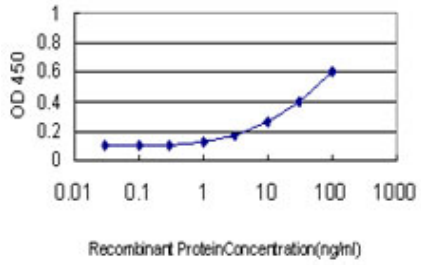
NODAL monoclonal antibody (M03), clone 5C3. Western Blot analysis of NODAL expression in Raw 264.7 ((Cat # AT3074a)

Immunoperoxidase of monoclonal antibody to NODAL on formalin-fixed paraffin-embedded human endometrium cancer. [antibody concentration 3 ug/ml]





Immunofluorescence of monoclonal antibody to NODAL on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged NODAL is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.