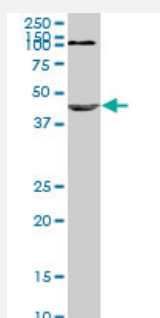


NODAL monoclonal antibody (M03), clone 5C3

Catalog # H00004838-M03

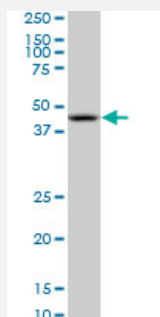
Size 100 ug

Applications



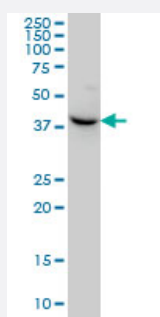
Western Blot (Cell lysate)

NODAL monoclonal antibody (M03), clone 5C3. Western Blot analysis of NODAL expression in Raw 264.7 (Cat # L024V1).



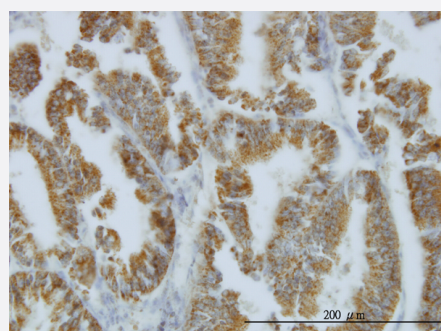
Western Blot (Cell lysate)

NODAL monoclonal antibody (M03), clone 5C3. Western Blot analysis of NODAL expression in PC-12 (Cat # L012V1).



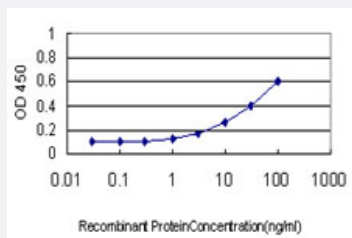
Western Blot (Cell lysate)

NODAL monoclonal antibody (M03), clone 5C3 Western Blot analysis of NODAL expression in HeLa (Cat # L013V1).



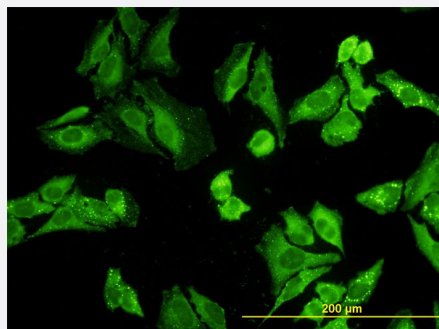
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



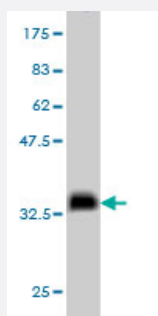
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (33.66 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NODAL.
Immunogen	NODAL (NP_060525, 275 a.a. ~ 346 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	RCEGECNPVGEFHTNHAYIQSLLKRYQPHRV PSTCCAPVKTKPLSMLYVDNGRVLLDHHKD MVEECGC
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Isotype	IgG1 Kappa

Quality Control Testing

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

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

NODAL monoclonal antibody (M03), clone 5C3. Western Blot analysis of NODAL expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

NODAL monoclonal antibody (M03), clone 5C3. Western Blot analysis of NODAL expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

NODAL monoclonal antibody (M03), clone 5C3 Western Blot analysis of NODAL expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — NODAL

Entrez GeneID [4838](#)

GeneBank Accession# [NM_018055](#)

Protein Accession# [NP_060525](#)

Gene Name NODAL

Gene Alias MGC138230

Gene Description nodal homolog (mouse)

Omim ID [601265](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000019754|nodal|nodal, mouse, homolog

Publication Reference

- [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.

The Prostate 2011 Aug; 71(11):1198.

Application: WB, Human, LNCaP, PC-3, 22Rv1, DU145, MDA-PCa-2b cells

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Alzheimer Disease](#)

- [Cardiovascular Abnormalities](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)