

## Lefty Monoclonal Antibody

Catalog No         BYmab-16061           Isotype         IgG           Reactivity         Human;Mouse           Applications         WB           Gene Name         LEFTY1/LEFTY2           Protein Name         Left-right determination factor 1/Left-right determination factor 2           Immunogen         The antiserum was produced against synthesized peptide derived from the C-terminal region of human LEFTY1/LEFTY2. AA range:301-350           Specificity         Lefty Monoclonal Antibody detects endogenous levels of Lefty protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         LEFTY1; LEFTB; LEFTYB; Left-right determination factor 1; Left-right determination factor 8; Protein lefty-1; Protein lefty-8; LEFTY2; EBAF; LEFTA; LEFTYA; TGFB4; PSEC0024; Left-right determination factor A; Protein lefty-2; Protein lefty-A; Transforming growth factor beta-4; TGF-beta-4           Observed Band         40kD           Cell Pathway         Secreted.		
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NODAL.,PTM:The processing of the protein may also occur at the second R-X-X-R site located at AA 132-135. Processing appears to be regulated in a	Tissue Specificity	Colon,Pancreas,Spleen,Teratocarcinoma,
cell-type specific manner.,similarity:Belongs to the TGF-beta family.,	Function	NODALPTM:The processing of the protein may also occur at the second

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Background
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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 plays a role in left-right asymmetry determination of organ systems during development. This gene is closely linked to both a related family member and a related pseudogene. [provided by RefSeq, Aug 2016],

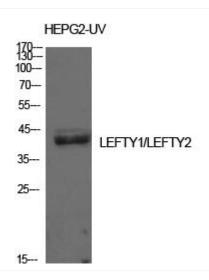
matters needing attention

Avoid repeated freezing and thawing!

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using Lefty Monoclonal Antibody

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