



Lefty Monoclonal Antibody

Catalog No	YP-mAb-16061
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	LEFTY1/LEFTY2
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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AI4552;Ebaf;Left right determination factor 1;Left right determination factor;Left right determination factor B;left-right determination factor;LEFT-RIGHT DETERMINATION FACTOR 1;LEFTY1;left-right determination;factor B;LEFTY B;LEFTB;LEFTY 1;Lefty;left-1;MOUSE;HOMOLOG OF;LEFTYB; OTTHUMP35572;Protein lefty-1;Protein lefty-B;RGD1561867;Stimulated by retinoic acid gene 3 protein;STRA3;TGF beta 4;TGF-beta-4;Tgfb4;Transforming growth factor beta 4;Transforming growth factor beta-4;LEFTY1/LEFTY2;Left-right determination factor 1/Left-right determination factor 2;Left-right determination factor B;LEFTY2;LEFTA;LEFTYA;PSEC0024;Left-right determination factor 2;Endometrial bleeding-associated factor;Left-right determination factor A;Protein lefty-2;Protein lefty-A
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Secreted.
Tissue Specificity	Colon,Pancreas,Spleen,Teratocarcinoma,



Function

function:Required for left-right axis determination as a regulator of LEFTY2 and 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 cell-type specific manner.,similarity:Belongs to the TGF-beta family.,

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 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],

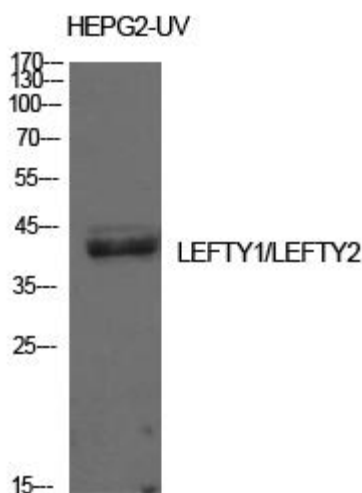
matters needing attention

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