



Mouse anti-Human LEFTY2 monoclonal antibody, clone 2I7 (CABT-B10556)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	LEFTY2 (NP_003231, 77 a.a. ~ 180 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	2I7
Conjugate	Unconjugated
Applications	WB, ELISA
Sequence Similarities	RFSQSFREVAGRFLASEASTHLLVFGMEQRLPPNSELVQAVLRLFQEPVPKAAALHRHGRL SPRSAQARVTVEWLRVRDDGSNRTSLIDSRLVSVHESGWKAFDV
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	This gene encodes a member of the TGF-beta family of proteins. The encoded protein is secreted and plays a role in left-right asymmetry determination of organ systems during
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development. The protein may also play a role in endometrial bleeding. Mutations in this gene have been associated with left-right axis malformations, particularly in the heart and lungs. Some types of infertility have been associated with dysregulated expression of this gene in the endometrium. Alternative processing of this protein can yield three different products. This gene is closely linked to both a related family member and a related pseudogene. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2010]

Keywords	LEFTY2; left-right determination factor 2; EBAF; LEFTA; TGFB4; LEFTYA; TGF-beta-4; protein lefty-2; protein lefty-A; left-right determination factor A; transforming growth factor beta-4; endometrial bleeding-associated factor;
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GENE INFORMATION

Entrez Gene ID	7044
UniProt ID	E9PDM4
Pathway	Formation of Platelet plug, organism-specific biosystem; Hemostasis, organism-specific biosystem; Platelet Activation, organism-specific biosystem; Platelet degranulation, organism-specific biosystem; Response to elevated platelet cytosolic Ca2+, organism-specific biosystem; TGF Beta Signaling Pathway, organism-specific biosystem
Function	cytokine activity; growth factor activity; transforming growth factor beta receptor binding
