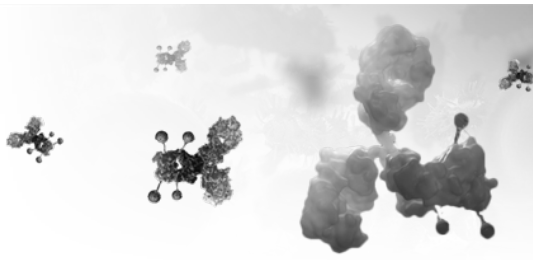

Mouse Anti-Human EFEMP2 Monoclonal Antibody, clone 5G11 [Functional Grade] (CABT-Z659M)

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

PRODUCT INFORMATION

Product Overview	Low endotoxin level (≤ 1.0 EU/mg) monoclonal antibody recognizes Human Fibulin-4. More Lower endotoxin level (≤ 0.5 EU/mg) antibody is also available.
Immunogen	Recombinant, human Fibulin-4 produced in E. coli BL21 cells.
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	5G11
Purification	Protein A or G purified
Conjugate	Functional Grade
Applications	IF, IHC, WB Recommended concentration: WB: 1-10 µg/ml
Format	Liquid
Concentration	Lot specific
Size	1 mg
Buffer	0.01 M phosphate buffered saline (PBS) pH 7.2 - 7.4, 150 mM NaCl with no carrier protein, potassium, calcium or preservatives added. Endotoxin Level ≤ 1.0 EU/mg as determined

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	by the LAL method
Preservative	None
Storage	Functional grade biosimilar antibodies may be stored sterile as received at 2-8℃ for up to one month. For longer term storage, aseptically aliquot in working volumes without diluting and store at -80℃. Avoid Repeated Freeze Thaw Cycles.
Ship	Wet ice

BACKGROUND

Introduction	Fibulin-4 is predominantly expressed in tissues rich in elastic fibers. There are currently seven genes in the fibulin family (Fibulin-1, 2, 3, 4, 5, 6, and 7) that are associated with elastic fibers. The fibulins are widely distributed throughout the body and are more prominent in tissues rich in elastic fibers and are often associated with vasculature and elastic tissues. Fibulin-4 appears to be the most critical member of this family of proteins in modulating elastic-fiber formation because studies have shown that fibulin-4-null mice do not produce elastic fibers at all. This extracellular glycoprotein has a molecular weight of approximately 49 kD, and is not only considered a structural protein of the extracellular matrix, but also a regulatory factor required for normal elastin expression in human fibroblasts. Due to the regulatory role of Fibulin-4, it is thought that a pathophysiological link may exist between the modulation of fibulin-4 levels and diseases, such as WBS (Williams-Beuren syndrome), that are characterized by impaired elastic-fiber formation. Furthermore, fibulin-4 has been shown to interact with P53, a crucial homologous protein that prevents cancer formation, and thus functions as a tumor suppressor. One study indicated that colon tumors were found to have approximately 2-7-fold increases of fibulin-4 mRNA expression. This suggests that the dysregulated expression of the fibulin-4 gene is associated with human colon tumourigenesis.
Keywords	EGF containing fibulin-like extracellular matrix protein 2;fibulin 4;FBLN4;fibulin-4;UPH1;mutant p53 binding protein 1

GENE INFORMATION

Gene Name	EFEMP2
Entrez Gene ID	30008
UniProt ID	Q9H3D5

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221