



Rabbit Anti-ART1 antibody

SL12531R

Product Name:	ART1
Chinese Name:	Tumour抑制相关蛋白PHEMX抗体
Alias:	ART 1; ART1; FLJ17158; FLJ97586; MGC22455; Pan hematopoietic expression; PHEMX; PHMX; tetraspanin 32; Tetraspanin; tetraspanin32; TSPAN32; TSSC6; Tumor suppressing STF cDNA 6; Tumor suppressing subchromosomal transferable fragment cDNA 6; Tumor suppressing subtransferable candidate 6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PHEMX/ART1:101-200/320
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Phemx is a member of the tetraspanin (TM4SF) family of proteins that may be involved in transmembrane signal transduction, regulation of cell proliferation, differentiation and motility. Phemx is a multi-pass membrane protein containing intracellular N- and C-terminal domains, four transmembrane domains and two extracellular loops. It is

ubiquitously expressed from early embryogenesis through adulthood. Phemx exhibits predominant expression in hematopoietic tissues suggesting a role in hematopoietic-cell function. In association with the Integrin α IIb/Integrin β 3 complex, Phemx functions to stabilize arterial thrombi in platelets and regulate “outside-in” signaling. This interaction may be important in the process of wound healing. The gene encoding Phemx is located in an important tumor-suppressor gene region that has been associated with Beckwith-Wiedemann syndrome as well as a variety of cancers.

Function:

PHEMX belongs to the conserved tetraspanin family of integral membrane proteins, which are thought to form multiprotein networks in the cell membrane in association with multiple protein partners. Tetraspanins have functional roles in cell motility, membrane fusion, proliferation, and adaptive immunity. This gene is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. PHEMX may play a role in malignancies and disease that involve this region as well as hematopoietic cell function. There are 5 isoforms produced by alternative splicing.

Subcellular Location:

Membrane; Multi-pass membrane protein

Tissue Specificity:

Expressed ubiquitously at low levels. High levels of expression are confined to hematopoietic tissues including peripheral blood leukocytes, thymus and spleen.

Similarity:

Belongs to the tetraspanin (TM4SF) family.

SWISS:

P52961

Gene ID:

417

Database links:

[Entrez Gene: 417](#)Human

[Omim: 601625](#)Human

[SwissProt: P52961](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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