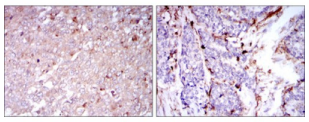
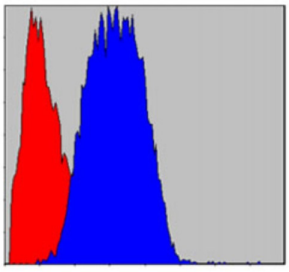
Prominin-1 (PROM1) Antibody

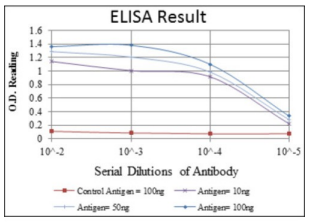
Catalogue No.:abx012050



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues (left) and human esophageal cancer tissues (right) using CD133 antibody with DAB staining.



Flow cytometric analysis of Hela cells using CD133 antibody (blue) and negative control (red).



Red: Control Antigen (100ng) ; Purple: Antigen (10ng) ; Green: Antigen (50ng) ; Blue: Antigen (100ng).

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene.

Target:	Prominin-1 (PROM1)
Clonality:	Monoclonal
Clone:	X230
Reactivity:	Human
Tested Applications:	ELISA, IHC, FCM

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Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, IHC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Synthesized peptide of human CD133.
Isotype:	IgG_1
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O43490 (UniProt, ExPASy)
Gene Symbol:	PROM1
GeneID:	8842
OMIM:	604365
HGNC:	9454
KEGG:	hsa:8842
Ensembl:	ENSG00000007062
String:	9606.ENSP00000426809
Molecular Weight:	133 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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