

PROM1 monoclonal antibody, clone 487f5

Catalog # MAB8818

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant PROM1.
Immunogen	Recombinant protein corresponding to human PROM1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG2b, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — PROM1

Entrez GeneID	8842
Protein Accession#	NM_006017.2

Gene Name	PROM1
Gene Alias	AC133, CD133, MSTP061, PROML1, RP41
Gene Description	prominin 1
Omim ID	604365
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	hProminin hematopoietic stem cell antigen prominin-like 1

Publication Reference

- [Stemness Markers Detection In The Periphery Of Glioblastomas And Glioblastoma Ability To Generate Glioma Stem Cells: Clinical Correlations.](#)

Soheila RD, Alessandro R, Hambra DV, Danilo P, Sabino L, Paola P, Benedetta C, Tempesta D, Coletti G, Cipolloni G, Grazia CM, Renato G.

World Neurosurgery 2017 May; 105:895.

Application: Flow Cyt, Human, Human glioma stem cells (GSCs)

- [Immunophenotypic Characterization of Human Glioblastoma Stem Cells: Correlation with Clinical Outcome.](#)

Miconi G, Palumbo P, Dehcordi SR, La Torre C, Lombardi F, Evtoski Z, Cimini AM, Galzio R, Cifone MG, Cinque B.

Journal of Cellular Biochemistry 2015 May; 116(5):864.

Application: Flow Cyt, Human, Glioblastoma multiforme cells

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasms](#)

- [Recurrence](#)
- [Tobacco Use Disorder](#)