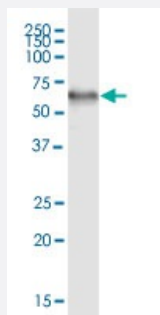


PLAG1 monoclonal antibody (M02), clone 3B7

Catalog # H00005324-M02

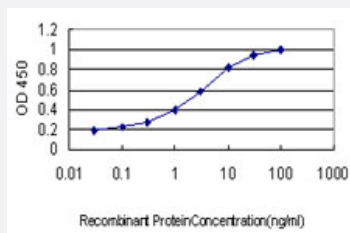
Size 50 ug

Applications



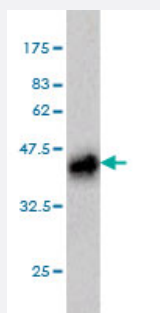
Western Blot (Cell lysate)

PLAG1 monoclonal antibody (M02), clone 3B7. Western Blot analysis of PLAG1 expression in A-431.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLAG1 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PLAG1.

Immunogen	PLAG1 (NP_002646, 2 a.a. ~ 99 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ATVIPGDLSEVRDTQKVPSGKRKRGETKPRKNFPCQLCDKAFNSVEKLVHSYSHTGERPYKCIQ QDCTKAFVSKYKLQRHMATHSPEKTHKCNCEK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PLAG1 monoclonal antibody (M02), clone 3B7. Western Blot analysis of PLAG1 expression in A-431.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PLAG1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PLAG1

Entrez GeneID [5324](#)

GeneBank Accession#	NM_002655
Protein Accession#	NP_002646
Gene Name	PLAG1
Gene Alias	PSA, SGPA
Gene Description	pleiomorphic adenoma gene 1
Omim ID	181030 603026
Gene Ontology	Hyperlink
Gene Summary	Pleomorphic adenoma gene 1 encodes a zinc finger protein with 2 putative nuclear localization signals. PLAG1, which is developmentally regulated, has been shown to be consistently rearranged in pleomorphic adenomas of the salivary glands. PLAG1 is activated by the reciprocal chromosomal translocations involving 8q12 in a subset of salivary gland pleomorphic adenomas. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	Pleomorphic adenoma gene 1

Publication Reference

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Zahra Aldawood, Alyaa Al-Ibraheemi

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Application: IHC, Human, Human lipoblastoma

- [HMGA2 Immunoexpression is frequent in salivary gland pleomorphic adenoma: immunohistochemical and molecular analyses of PLAG1 and HMGA2 in 25 cases.](#)

Adepitan A Owosho, Olufunlola M Adesina, Oluwale Odujoko, Hezekiah Akinyemi, Akinwumi Komolafe, Simon Tadros, Robert Bauer, Kurt F Summersgill.

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Application: IHC-P, Human, Human pleomorphic adenoma (salivary gland)

- [SLUG is a key regulator of epithelial-mesenchymal transition in pleomorphic adenoma.](#)

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Application: IHC-P, Human, Human pleomorphic adenomas

- [The significance of tyrosine kinase receptor B and brain-derived neurotrophic factor expression in salivary duct carcinoma.](#)

Yusuke Kondo, Kenichi Hirabayashi, Joaquim Carreras, Keiichi Tsukinoki, Yoshihide Ota, Kenji Okami, Naoya Nakamura.

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Application: IHC-P, Human, Human salivary duct carcinoma

- [Myoepithelioma of soft tissue and bone, and myoepithelioma-like tumors of the vulvar region: Clinicopathological study of 15 cases by PLAG1 immunohistochemistry.](#)

Keiko Segawa, Shintaro Sugita, Tomoyuki Aoyama, Tomoko Takenami, Hiroko Asanuma, Yui Kojima, Yoshiaki Inayama, Tadashi Hasegawa.

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Application: IHC-P, Human, Human myoepitheliomas of soft tissue and bone, Human myoepithelioma-like tumors of the vulvar region

- [PLAG1 enhances the stemness profiles of acinar cells in normal human salivary glands in a cell type-specific manner.](#)

Goto Y, Ibi M, Sato H, Tanaka J, Yasuhara R, Aota K, Azuma M, Fukada T, Mishima K, Irie T.

Journal of Oral Biosciences 2020 Mar; 62(1):99.

Application: WB-Tr, Human, Ductal NS-SV-DC, NS-SV-AC cells

- [Plag1 regulates neuronal gene expression and neuronal differentiation of neocortical neural progenitor cells.](#)

Sakai H, Fujii Y, Kuwayama N, Kawaji K, Gotoh Y, Kishi Y.

Genes to Cells : Devoted to Molecular & Cellular Mechanisms 2019 Oct; 24(10):650.

Application: ChIP, Mouse, Neural progenitor cells

- [Low-grade intraductal carcinoma of salivary glands: A systematic review of this rare entity.](#)

Giovacchini F, Bensi C, Belli S, Laurenti ME, Mandarano M, Paradiso D, Giansanti M, Tullio A.

Journal of Oral Biology and Craniofacial Research 2019 Jan; 9(1):96.

Application: IHC-P, Human, Intraductal carcinoma of salivary glands

- [miRNA deregulation by epigenetic silencing disrupts suppression of the oncogene PLAG1 in chronic lymphocytic leukemia.](#)

Pallasch CP, Patz M, Park YJ, Hagist S, Eggle D, Claus R, Debey-Pascher S, Schulz A, Frenzel LP, Claasen J, Kutsch N, Krause G, Mayr C, Rosenwald A, Plass C, Schultze JL, Hallek M, Wendtner CM.

Blood 2009 Oct; 114(15):3255.

Application: WB-Ce, WB-Tr, Human, B cells, chronic lymphocytic leukemia cells, HeLa cells

- [Diabetes Mellitus](#)