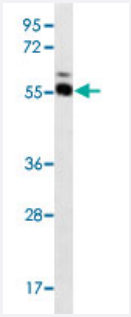
MAGEL2 polyclonal antibody

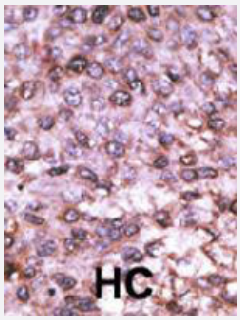
Catalog # PAB4761 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate (35 ug/lane) with MAGEL2 polyclonal antibody (Cat # PAB4761).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with MAGEL2 polyclonal antibody (Cat # PAB4761) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MAGEL2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MAGEL2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of K-562 cell lysate (35 ug/lane) with MAGEL2 polyclonal antibody (Cat # PAB4761).

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAGEL2

Entrez GeneID	54551
Protein Accession#	Q9UJ55
Gene Name	MAGEL2
Gene Alias	NDNL1, nM15
Gene Description	MAGE-like 2
Omim ID	605283
Gene Ontology	Hyperlink

Gene Summary	Prader-Willi syndrome (PWS) is caused by the loss of expression of imprinted genes in chromos ome 15q11-q13. Affected individuals exhibit neonatal hypotonia, developmental delay, and childh ood-onset obesity. Necdin (NDN), a gene involved in the terminal differentiation of neurons, localiz es to this region of the genome and has been implicated as one of the genes responsible for the etiology of PWS. This gene is structurally similar to NDN, is also localized to the PWS chromoso mal region, and is paternally imprinted, suggesting a possible role for it in PWS. [provided by Ref Seq
Other Designations	MAGE-like protein 2

Publication Reference

- Expression and imprinting of MAGEL2 suggest a role in Prader-willi syndrome and the homologous murine imprinting phenotype.

  Lee S, Kozlov S, Hernandez L, Chamberlain SJ, Brannan CI, Stewart CL, Wevrick R.

  Human Molecular Genetics 2000 Jul; 9(12):1813.

- The human MAGEL2 gene and its mouse homologue are paternally expressed and mapped to the Prader-Willi region.

  Boccaccio I, Glatt-Deeley H, Watrin F, Roeckel N, Lalande M, Muscatelli F.

  Human Molecular Genetics 1999 Dec; 8(13):2497.

Disease

- Genetic Predisposition to Disease
- Mood Disorders
- Schizophrenia