Datasheet for ABIN7601938

anti-Melanoma Antigen Family D, 4 (MAGED4) (AA 51-741) antibody

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Overview

Quantity:	100 µg
Target:	Melanoma Antigen Family D, 4 (MAGED4)
Binding Specificity:	AA 51-741
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-MAGED4 Antibody Picoband®
Immunogen:	E.coli-derived human MAGED4 recombinant protein (Position: F51-R741).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MAGED4 Antibody Picoband® (ABIN7601938). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Melanoma Antigen Family D, 4 (MAGED4)
Alternative Name:	MAGED4 (MAGED4 Products)
Background:	Synonyms: Kelch repeat and BTB domain-containing protein 2, BTB and kelch domain-containing protein 1, KBTBD2, BKLHD1, KIAA1489 Tissue Specificity: Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon. Background: MAGE family member D4 is a protein that in humans is encoded by the MAGED4 gene. MAGED4, originally termedMAGEE1, is a member ofMAGE (Melanoma associated antigen)super-family identified by serial analysis of gene expression (SAGE) technique (PMID: 11406556, 24966945). Three isoforms(MAGED4a, b, and c) were produced by alternative splice in the process of gene transcription (PMID: 11406556). This antibody raised against 1-350 aa of humanMAGED4 protein detects a band of 90-100 kDa, which islargerthan the calculated molecularweight. The slower electrophoretic mobility may be due to abnormal spatial conformation ofMAGED4 protein caused by abundance of proline in composition (PMID: 24966945).
Molecular Weight:	100 kDa
Gene ID:	728239

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry, 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Chomez, P., De Backer, O., Bertrand, M., De Plaen, E., Boon, T., Lucas, S. An overview of the MAGE gene family with the identification of all human members of the family. Cancer Res. 61: 5544-5551, 2001. [PubMed: 11454705, related citations] 2. Hartz, P. A. Personal Communication. Baltimore, Md. 4/30/2009. 3. Ito, S., Kawano, Y., Katakura, H., Takenaka, K., Adachi, M., Sasaki, M., Shimizu, K., Ikenaka, K., Wada, H., Tanaka, F. Expression of MAGE-D4, a novel MAGE family antigen, is correlated with tumor-cell proliferation of non-small cell lung cancer. Lung Cancer 51: 79-88, 2006.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.