Datasheet for ABIN7600611

anti-MEST antibody (AA 21-320)

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Overview

Quantity:	100 µg
Target:	MEST
Binding Specificity:	AA 21-320
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MEST antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-MEST Antibody Picoband®
Immunogen:	E.coli-derived human MEST recombinant protein (Position: A21-D320). Human MEST shares 97.7% and 98.3% amino acid (aa) sequence identity with mouse and rat MEST, respectively.
Characteristics:	Anti-MEST Antibody Picoband® (ABIN7600611). Tested in WB, IHC, ELISA applications. This antibody reacts with Human, Mouse, Rat. 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:	MEST
Alternative Name:	MEST (MEST Products)
Background:	Mesoderm-specific transcript homolog protein is a protein that in humans is encoded by the MEST gene. This gene encodes a member of the alpha/beta hydrolase superfamily. It is imprinted, exhibiting preferential expression from the paternal allele in fetal tissues, and isoform-specific imprinting in lymphocytes. The loss of imprinting of this gene has been linked to certain types of cancer and may be due to promotor switching. The encoded protein may play a role in development. Alternatively spliced transcript variants encoding multiple isoforms have been identified for this gene. Pseudogenes of this gene are located on the short arm of chromosomes 3 and 4, and the long arm of chromosomes 6 and 15.
Molecular Weight:	43 kDa
Gene ID:	4232

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Decker, M., Adamska, M., Cronin, A., Di Giallonardo, F., Burgener, J., Marowsky, A., Falck, J. R., Morisseau, C., Hammock, B. D., Gruzdev, A., Zeldin, D. C., Arand, M. EH3 (ABHD9): the first member of a new epoxide hydrolase family with high activity for fatty acid epoxides. J. Lipid Res. 53: 2038-2045, 2012. 2. Ferguson-Smith, A. C., Cattanach, B. M., Barton, S. C., Beechey, C. V., Surani, M. A. Embryological and molecular investigations of parental imprinting on mouse chromosome 7. Nature 351: 667-670, 1991. 3. Kaneko-Ishino, T., Kuroiwa, Y., Miyoshi, N., Kohda, T., Suzuki, R., Yokoyama, M., Viville, S., Barton, S. C., Ishino, F., Surani, M. A. Peg1/Mest imprinted gene on chromosome 6 identified by cDNA subtraction hybridization. Nature Genet. 11: 52-59, 1995.
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

Handling

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.