

Rabbit MEST Polyclonal Antibody | anti-MEST antibody

Anti-MEST Antibody Picoband

CATALOG # AAA127429	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MEST; Polyclonal Antibody; Anti-MEST Antibody Picoband; anti-MEST antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MEST antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
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.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Figure 4. IHC analysis of MEST using anti-MEST antibody (AAA127429). MEST was detected in a paraffin-embedded section of human thyroid papillary carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MEST Antibody (AAA127429) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



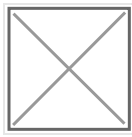
IHC (Immunohistochemisry)

Figure 3. IHC analysis of MEST using anti-MEST antibody (AAA127429). MEST was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MEST Antibody (AAA127429) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of MEST using anti-MEST antibody (AAA127429). MEST was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-MEST Antibody (AAA127429) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MEST using anti-MEST antibody (AAA127429). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Caco-2 whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human RT4 whole cell lysates, Lane 5: rat testis tissue lysates, Lane 6: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MEST antigen affinity purified polyclonal antibody (#AAA127429) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MEST at approximately 43 kDa. The expected band size for MEST is at 40 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MEST antibody	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.
Product Categories/Family for anti-MEST antibody	Primary Antibodies
References	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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	145566794
NCBI GeneID	4232
UniProt Accession #	Q5EB52; O14973; O15007; Q6AI49; Q92571; B2R6S1
Molecular Weight	335
NCBI Official Full Name	Mesoderm-specific transcript homolog protein
NCBI Official Synonym Full Names	mesoderm specific transcript
NCBI Official Symbol	MEST
NCBI Official Synonym Symbols	PEG1
NCBI Protein Information	mesoderm-specific transcript homolog protein; paternally-expressed gene 1 protein
UniProt Protein Name	Mesoderm-specific transcript homolog protein
UniProt Gene Name	MEST
UniProt Synonym Gene Names	PEG1
UniProt Entry Name	MEST_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mest-antibody-immunohistochemistry-western-blot-elisa/127429>