

Rabbit anti-Human CEP55 Polyclonal Antibody | anti-CEP55 antibody

Anti-CEP55 Antibody Picoband

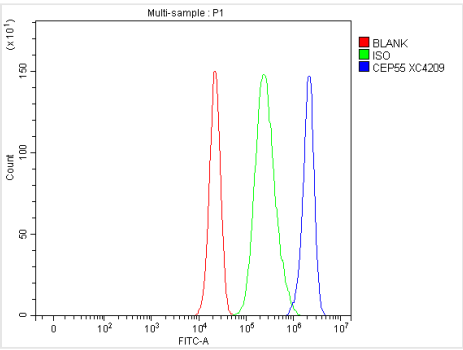
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128234	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

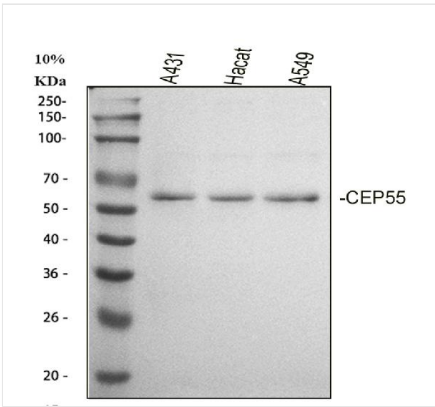
CEP55; Polyclonal Antibody; Anti-CEP55 Antibody Picoband; Centrosomal protein of 55 kDa; centrosomal protein 55; C10orf3; URCC6; Cep55; Up-regulated in colon cancer 6; anti-CEP55 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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-CEP55 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human CEP55 recombinant protein (Position: E115-K464). Human CEP55 shares 76.3% and 78% amino acid (aa) sequence identity with mouse and rat CEP55, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of A549 cells using anti-CEP55 antibody (AAA128234). Overlay histogram showing A549 cells stained with AAA128234 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CEP55 Antibody (AAA128234, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of CEP55 using anti-CEP55 antibody (AAA128234). 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 A431 whole cell lysates, Lane 2: human Hecate whole cell lysates, Lane 3: human A549 whole cell 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-CEP55 antigen affinity purified polyclonal antibody (AAA128234) 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 CEP55 at approximately 54 kDa. The expected band size for CEP55 is at 54 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CEP55 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-CEP55 antibody	Primary Antibodies
References	1. Bondeson, M.-L., Ericson, K., Gudmundsson, S., Ameur, A., Ponten, F., Wesstrom, J., Frykholm, C., Wilbe, M. A nonsense mutation in CEP55 defines a new locus for a Meckel-like syndrome, an autosomal recessive lethal fetal ciliopathy. Clin. Genet. 92: 510-516, 2017.2. Chen, C.-H., Chien, C.-Y., Huang, C.-C., Hwang, C.-F., Chuang, H.-C., Fang, F.-M., Huang, H.-Y., Chen, C.-M., Liu, H.-L., Huang, C.-Y. F. Expression of FLJ10540 is correlated with aggressiveness of oral cavity squamous cell carcinoma by stimulating cell migration and invasion through increased FOXM1 and MMP-2 activity. Oncogene 28: 2723-2737, 2009.3. Chen, C.-H., Lu, P.-J., Chen, Y.-C., Fu, S.-L., Wu, K.-J., Tsou, A.-P., Lee, Y.-C. G., Lin, T.-C. E., Hsu, S.-L., Lin, W.-J., Huang, C.-Y. F., Chou, C.-K. FLJ10540-elicited cell transformation is through the activation of PI3-kinase/AKT pathway. Oncogene 26: 4272-4283, 2007.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187608545
NCBI GeneID	55165
NCBI Accession #	NP_001120654.1
NCBI GenBank Nucleotide #	NM_001127182.1
UniProt Accession #	Q53EZ4; Q32WF5; Q3MV20; Q5VY28; Q6N034; Q96H32; Q9NV57; B2RDG8
Molecular Weight	54,178 Da
NCBI Official Full Name	centrosomal protein of 55 kDa
NCBI Official Synonym Full Names	centrosomal protein 55kDa

NCBI Official Symbol	CEP55
NCBI Official Synonym Symbols	CT111; URCC6; C10orf3
NCBI Protein Information	centrosomal protein of 55 kDa; cancer/testis antigen 111; up-regulated in colon cancer 6
UniProt Protein Name	Centrosomal protein of 55 kDa
UniProt Gene Name	CEP55
UniProt Synonym Gene Names	C10orf3; URCC6; Cep55
UniProt Entry Name	CEP55_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cep55-antibody-flow-cytometry-western-blot-elisa/128234>