

Rabbit anti-Human, Mouse CEP78 Polyclonal Antibody | anti-CEP78 antibody

CEP78 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324595	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

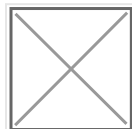
PRODUCT SYNONYMS

CEP78; Polyclonal Antibody; CEP78 Antibody; 5730599I05Rik; C9orf81; Centrosomal protein 78; Centrosomal protein 78kDa; Chromosome 9 open reading frame 81; D030027P05; FLJ12643; FLJ52093; IP63; MGC135040; RP11-336N8.5; anti-CEP78 antibody

PRODUCT SPECIFICATIONS

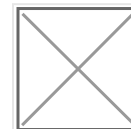
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	CEP78 antibody detects endogenous levels of total CEP78
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	722
Applicable Applications for anti-CEP78 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasmic; Centrosome
Tissue Specificity	Widely expressed (PubMed:27588451, PubMed:27588452). Expressed in different retinal cell types with higher expression in cone compared to rod cells (at protein level) (PubMed:27588452).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324595 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using CEP78 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA324595 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CEP78 antibody	Function: May be required for efficient PLK4 centrosomal localization and PLK4-induced overduplication of centrioles (PubMed:27246242). May play a role in cilium biogenesis (PubMed:27588451). Subunit Structure: Interacts with PLK4 (PubMed:27246242). Interacts with FAM161A (PubMed:27588451). Similarity: Belongs to the CEP78 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	149274621
NCBI GeneID	84131
NCBI Accession #	NP_001092272.1
NCBI GenBank Nucleotide #	NM_001098802.2
UniProt Accession #	Q5JTW2; Q5BJE3; Q5JTW0; Q5JTW1; Q9H9N3; A1A4S8; E9PHX5
Molecular Weight	Observed: 80 kD Predicted: 77 kDa
NCBI Official Full Name	centrosomal protein of 78 kDa isoform a
NCBI Official Synonym Full Names	centrosomal protein 78
NCBI Official Symbol	CEP78
NCBI Official Synonym Symbols	IP63; CRDHL; C9orf81
NCBI Protein Information	centrosomal protein of 78 kDa
UniProt Protein Name	Centrosomal protein of 78 kDa
UniProt Gene Name	CEP78
UniProt Synonym Gene Names	C9orf81; Cep78

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/cep78-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324595>