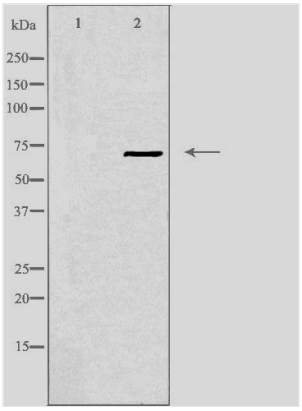
CEP70 Antibody – Rabbit Polyclonal

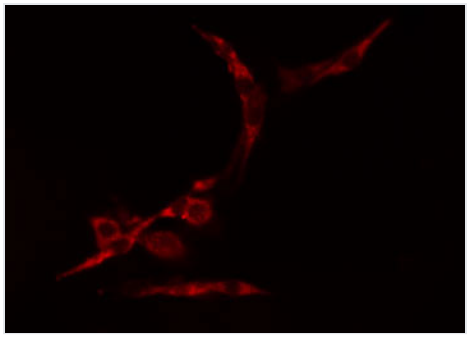
PRODUCT OVERVIEW

Product Name	CEP70, Polyclonal Antibody
Full Product Name	CEP70 Antibody
Product Gene Name	anti-CEP70 antibody
Product Synonym Names	BITE; Centrosomal protein of 70 kDa; Cep70; CEP70_HUMAN; p10 binding protein; p10-binding protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	CEP70 antibody detects endogenous levels of total CEP70
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	CEP70 peptide (MBS9624093) is used for blocking the activity of CEP70 antibody (MBS9605376)
Molecular Weight	Observed: 70 kD Predicted: 70 kDa
3D Structure	ModBase 3D Structure for Q8NHQ1
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome.
Predicted Cross Reactivity	**Bovine, Sheep**
Similarity	Bovine (91%), Sheep (91%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CEP70 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-CEP70 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-CEP70 antibody	Function: Plays a role in the organization of both preexisting and nascent microtubules in interphase cells. During mitosis, required for the organization and orientation of the mitotic spindle. Subunit Structure: Directly interacts with tubulin-gamma; this interaction determines centrosomal localization. Similarity: The coiled-coil domains may be important for tubulin-gamma-binding and hence for centrosomal localization.

Other Notes	Small volumes of anti-CEP70 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CEP70 purchase	MBS9605376 is an antibody targeting CEP70. Also known as CEP70 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CEP70 antibody
Western blot analysis of extracts from COS cells, using CEP70 antibody.



Immunofluorescene (IF) of anti-CEP70 antibody
MBS9605376 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEP70. It may not necessarily be applicable to this product.

NCBI GI #	572877586
NCBI GeneID	80321
NCBI Accession #	NP_001275893.1
UniProt Primary Accession #	Q8NHQ1
UniProt Secondary Accession #	Q96B31; Q9H2C3; Q9H2Z1; Q9H940; B7Z5I8; B7Z7E8; D3DNE9; F5GZX8
UniProt Related Accession #	Q8NHQ1
GenBank Nucleotide #	NM_001288964.1
NCBI Official Full Name	centrosomal protein of 70 kDa isoform 2
NCBI Official Synonym Full Names	centrosomal protein 70
NCBI Official Symbol	CEP70
NCBI Official Synonym Symbols	BITE
UniProt Protein Name	Centrosomal protein of 70 kDa
UniProt Synonym Protein Names	p10-binding protein
Protein Family	Centrosomal protein
UniProt Gene Name	CEP70
UniProt Synonym Gene Names	BITE; Cep70
NCBI Protein Information	centrosomal protein of 70 kDa
UniProt Comments for CEP70	Plays a role in the organization of both preexisting and nascent microtubules in interphase cells. During mitosis, required for the organization and orientation of the mitotic spindle.
Research Articles on CEP70	**1.** Cep70 interacts with tubulin, and promotes the ability of paclitaxel to stimulate microtubule assembly. These data demonstrate that Cep70 mediates paclitaxel sensitivity in breast cancer.

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