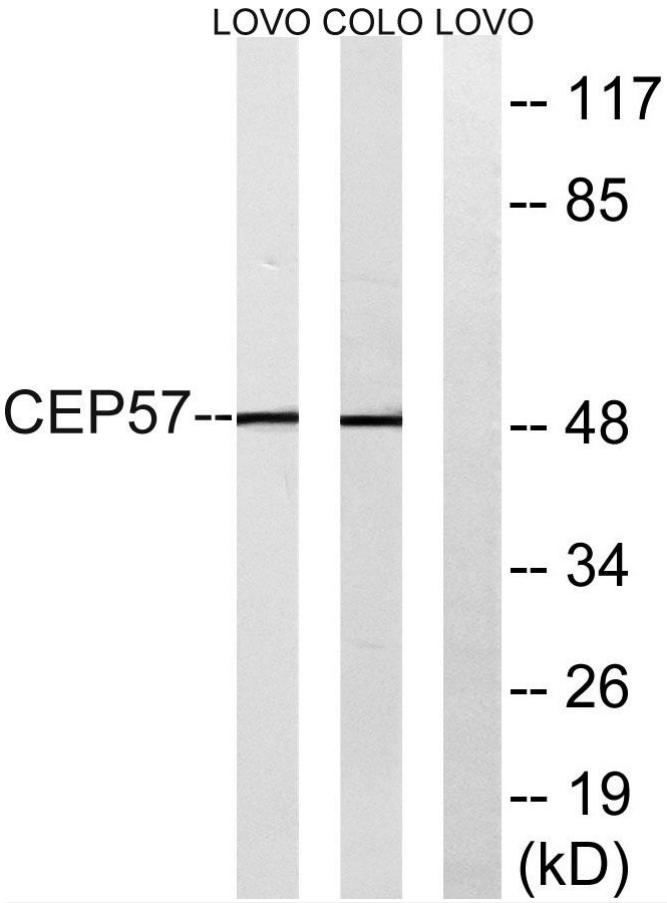
CEP57 Monoclonal Antibody

Catalog No	BYmab-03763
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CEP57
Protein Name	Centrosomal protein of 57 kDa
Immunogen	The antiserum was produced against synthesized peptide derived from human CEP57. AA range:241-290
Specificity	CEP57 Monoclonal Antibody detects endogenous levels of CEP57 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CEP57; KIAA0092; TSP57; Centrosomal protein of 57 kDa; Cep57; FGF2-interacting protein; Testis-specific protein 57; Translokin
Observed Band	50kD
Cell Pathway	Nucleus . Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome .
Tissue Specificity	Ubiquitous.
Function	function:Mediates nuclear translocation and mitogenic activity of the internalized growth factor FGF2.,similarity:Belongs to the translokin family.,subcellular location:Associates with microtubules and the centrosome.,subunit:Homodimer. Interacts with FGF2 and RAP80. Does not interact with FGF1 or FGF2 isoform 24 kDa.,tissue specificity:Ubiquitous.,
Background	This gene encodes a cytoplasmic protein called Translokin. This protein localizes to the centrosome and has a function in microtubular stabilization. The N-terminal half of this protein is required for its centrosome localization and for its multimerization, and the C-terminal half is required for nucleating, bundling and

	anchoring microtubules to the centrosomes. This protein specifically interacts with fibroblast growth factor 2 (FGF2), sorting nexin 6, Ran-binding protein M and the kinesins KIF3A and KIF3B, and thus mediates the nuclear translocation and mitogenic activity of the FGF2. It also interacts with cyclin D1 and controls nucleocytoplasmic distribution of the cyclin D1 in quiescent cells. This protein is crucial for maintaining correct chromosomal number during cell division. Mutations in this gene cause mosaic variegated aneuploidy syndrome, a rare autosomal recessive disorder. Multiple
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CEP57 Monoclonal Antibody