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CEP192 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55320

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8TEP8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	279111
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CEP192
Epitope Specificity	51-150/2537
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Required for mitotic centrosome and spindle assembly. Appears to be a major regulator of pericentriolar material (PCM) recruitment, centrosome maturation, and centriole duplication.
Post-translational modifications	Hydroxylation by PHD1/EGLN2 at Pro-1717 promotes ubiquitination.Ubiquitinated by a SCF(SKP2) complex following proline hydroxylation.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Required for mitotic centrosome and spindle assembly. Appears to be a major regulator of pericentriolar material (PCM) recruitment, centrosome maturation, and centriole duplication.

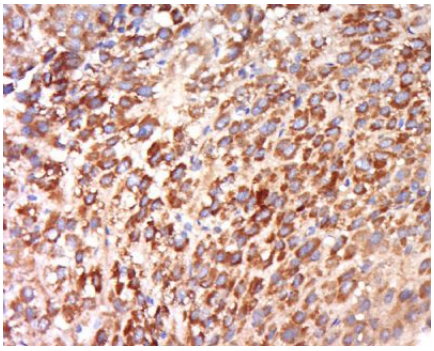
Additional Information

Gene ID	55125
Other Names	Centrosomal protein of 192 kDa, Cep192, Cep192/SPD-2, CEP192 (HGNC:25515), KIAA1569
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

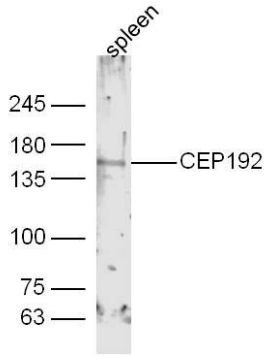
Protein Information

Name	CEP192 (HGNC:25515)
Synonyms	KIAA1569
Function	Required for mitotic centrosome maturation and bipolar spindle assembly (PubMed:17980596, PubMed:18207742, PubMed:25042804). Appears to be a major regulator of pericentriolar material (PCM) recruitment, centrosome maturation, and centriole duplication (PubMed:17980596, PubMed:18207742, PubMed:25042804). Centrosome- specific activating scaffold for AURKA and PLK1 (PubMed:25042804).
Cellular Location	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Pericentriolar location in mitotic centrosomes

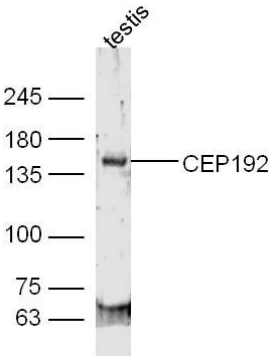
Images



Tissue/cell: human liver cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CEP192 Polyclonal Antibody, Unconjugated(AP55320) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Sample:
Spleen (Mouse) Lysate at 40 ug
Primary: Anti-CEP192 (AP55320) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 213 kD
Observed band size: 150 kD



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-CEP192 (AP55320) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 213 kD
Observed band size: 150 kD