

产品名称: CP250 Rabbit Polyclonal Antibody
产品货号: APRab09293



产品概述 (Summary)

产品名称 (Production Name)	CP250 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC/IF
种属反应性 (Reactivity)	Human, Rat, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CEP250
别名 (Alternative Names)	CEP2 CNAP1
基因 ID (Gene ID)	11190.0
蛋白 ID (SwissProt ID)	Q9BV73.Synthesized peptide derived from part region of human protein

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:50-1:300, ICC/IF 1:50-1:200
蛋白分子量 (Molecular Weight)	268kDa

研究背景 (Background)

centrosomal protein 250(CEP250) Homo sapiens This gene encodes a core centrosomal protein required for centriole-centriole cohesion during interphase of the cell cycle. The encoded protein dissociates from the centrosomes when

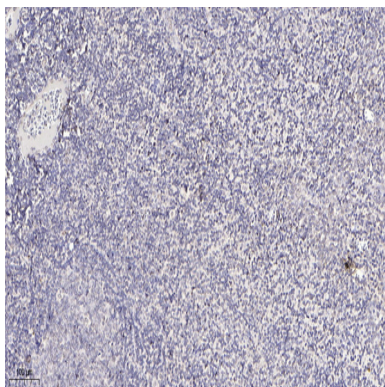
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parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015],disease:Antibodies against CEP2 are present in sera from patients with autoimmune diseases that developed autoantibodies against centrosomal proteins.,function:Probably plays an important role in centrosome cohesion during interphase.,PTM:Differentially phosphorylated during cell cycle. Phosphorylation may regulate association/dissociation from centrosome. During M phase of mitosis, C-terminal part is phosphorylated by NEK2, suggesting that it may trigger the dissociation from the mitotic centrosome. Dephosphorylated in vitro by the PP1 phosphatase.,subcellular location:Component of the core centrosome. In interphase cells, it specifically associates with the proximal ends of both mother and daughter centrioles. Associates with the centrosome in interphase cells. In mitotic cells, it dissociates from the mitotic spindle poles. At the end of cell division, it reaccumulates at centrosomes. In photoreceptors, found at the proximal ends of basal bodies.,subunit:Monomer and homodimer (Probable). Interacts with CROCC/rootletin (By similarity). Forms a complex in vitro with both NEK2 kinase and the PPP1CC catalytic subunit of protein phosphatase 1 (PP1),,tissue specificity:Ubiquitously and weakly expressed.,

研究领域 (Research Area)

图片 (Image Data)



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

注意事项 (Note)

For research use only .