

CP250 Polyclonal Antibody

Catalog No :	YN0579
Reactivity :	Human;Rat;Mouse;
Applications :	IHC;IF
Target :	CP250
Gene Name :	CEP250 CEP2 CNAP1
Protein Name :	Centrosome-associated protein CEP250 (250 kDa centrosomal protein) (Cep250) (Centrosomal Nek2-associated protein 1) (C-Nap1) (Centrosomal protein 2)
Human Gene Id :	11190
Human Swiss Prot No :	Q9BV73
Mouse Swiss Prot No :	Q60952
Immunogen :	Synthesized peptide derived from part region of human protein
Specificity :	CP250 Polyclonal Antibody detects endogenous levels of protein.
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:50-300. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	268kD

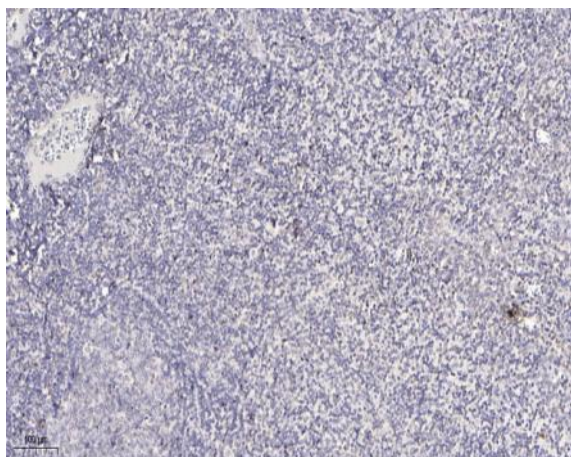
Background : centrosomal protein 250(CEP250) Homo sapiens This gene encodes a core centrosomal protein required for centriole-centriole cohesion during interphase of the cell cycle. The encoded protein dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The 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],

Function : 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.

Subcellular Location : Cytoplasm, perinuclear region . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, cilium basal body . Cell projection, cilium, photoreceptor outer segment . Photoreceptor inner segment . 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.

Expression : Ubiquitously and weakly expressed.

Products Images



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).