CEP78 Polyclonal Antibody

Catalog Number:E-AB-30885

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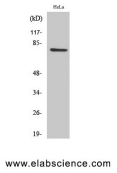
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Mouse
Immunogen	Synthesized peptide derived from the Internal region of human CEP78
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
ELISA	1:20000

Data



Western Blot analysis of Hela cells with CEP78 Polyclonal Antibody.
Observed Mw:80kDa
Calculated Mw:76kDa

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

This gene encodes a centrosomal protein that is both required for the regulation of centrosome-related events during the cell cycle, and required for ciliogenesis. The encoded protein has an N-terminal leucine-rich repeat (LRR) domain with six consecutive LRR repeats, and a C-terminal coiled-coil domain. It interacts with the N-terminal catalytic domain of polo-like kinase 4 (PLK4) and colocalizes with PLK4 to the distal end of the centriole. Naturally occurring mutations in this gene cause defects in primary cilia that result in retinal degeneration and sensorineural hearing loss which are associated with cone-rod degeneration disease as well as Usher syndrome. Low expression of this gene is associated with poor prognosis of colorectal cancer patients.CEP78 (Centrosomal Protein 78) is a Protein Coding gene. Diseases associated with CEP78 include Usher Syndrome and Sensorineural Hearing Loss. Among its related pathways are Regulation of PLK1 Activity at G2/M Transition and Organelle biogenesis and maintenance.

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