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Datasheet for ABIN7112613 **anti-CEP63 antibody**

Overview

Quantity:	100 µg
Target:	CEP63
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEP63 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	centrosomal protein 63kDa
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CEP63
Alternative Name:	CEP63 (CEP63 Products)
Background:	Synonyms: Background: Required for normal spindle assembly. Plays a key role in mother-centriole-dependent centriole duplication, the function seems also to involve CEP152, CDK5RAP2 and WDR62 through a stepwise assembled complex at the centrosome that

Target Details

recruits CDK2 required for centriole duplication. Reported to be required for centrosomal recruitment of CEP152, however, this function has been questioned(PubMed:21983783, PubMed:26297806). Also recruits CDK1 to centrosomes(PubMed:21406398). Plays a role in DNA damage response. Following DNA damage, such as double-strand breaks(DSBs), is removed from centrosomes, this leads to the inactivation of spindle assembly and delay in mitotic progression(PubMed:21406398).

Molecular Weight: 57-75kd

Gene ID: 80254

UniProt: [Q96MT8](#)

Pathways: [M Phase](#)

Application Details

Application Notes: WB: 1:500-1:2000, IP: 1:200-1:1000, IHC: 1:20-1:200, IF: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months