



# CROCC Monoclonal Antibody

Catalog No	BYmab-06115
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	CROCC KIAA0445
Protein Name	Rootletin (Ciliary rootlet coiled-coil protein)
Immunogen	Synthesized peptide derived from human protein . at AA range: 220-300
Specificity	CROCC Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	221kD
Cell Pathway	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole . Cytoplasm, cytoskeleton, cilium basal body . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . In ciliated cells, associated with ciliary rootlets. In non-ciliated cells, localized between, around and at the proximal ends of the centrioles. Dissociates from the centrioles at the onset of mitosis and reassociates with them at anaphase. .
Tissue Specificity	Brain,Medulloblastoma,
Function	function:Major structural component of the ciliary rootlet, a cytoskeletal-like structure in ciliated cells which originates from the basal body at the proximal end of a cilium and extends proximally toward the cell nucleus. Contributes to centrosome cohesion before mitosis.,PTM:Phosphorylated by NEK2 which may regulate its association with centrosomes. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the rootletin family.,subcellular location:In ciliated cells, associated with ciliary rootlets. In non-ciliated cells, localized between, around and at the proximal ends of the centrioles. Dissociates

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from the centrioles at the onset of mitosis and reassociates with them at anaphase.,subunit:Homopolymer. Interacts with KLC3, NEK2 and the N-terminus of CEP250.,

**Background**

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**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

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