

## Immunotag™ RB1CC1 Antibody

Antibody Specification	
Catalog No.	ITA2676
Product Description	Immunotag™ RB1CC1 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RB1CC1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human RB1CC1.
Specificity	RB1CC1 antibody detects endogenous levels of RB1CC1.
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	RB1CC1
Accession No.	Q8TDY2
Alternate Names	FAK family kinase-interacting protein of 200 kDa; FIP200; RB1-inducible coiled-coil protein 1; RB1CC1; RBCC1_HUMAN;

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Description	Involved in autophagy (PubMed:21775823). Regulates early events but also late events of autophagosome formation through direct interaction with Atg16L1 (PubMed:23392225). Required for the formation of the autophagosome-like double-membrane structure that surrounds the Salmonella-containing vacuole (SCV) during S.typhimurium infection and subsequent xenophagy (By similarity). Involved in repair of DNA damage caused by ionizing radiation, which subsequently improves cell survival by decreasing apoptosis (By similarity). Inhibits PTK2/FAK1 and PTK2B/PYK2 kinase activity, affecting their downstream signaling pathways (PubMed:10769033, PubMed:12221124). Plays a role as a modulator of TGF-beta-signaling by restricting substrate specificity of RNF111 (By similarity). Functions as a DNA-binding transcription factor (PubMed:12095676). Is a potent regulator of the RB1 pathway through induction of RB1 expression (PubMed:14533007). Plays a crucial role in muscular differentiation (PubMed:12163359). Plays an indispensable role in fetal hematopoiesis and in the regulation of neuronal homeostasis (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	200 kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.