

Datasheet for ABIN392343

**anti-MERTK antibody**

## 4 Images

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## Overview

Quantity:	400 µL
Target:	MERTK
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MERTK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This MERTK antibody is generated from rabbits immunized with a his tag recombinant protein of human MERTK.
Clone:	RB17701
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	MERTK
Alternative Name:	MERTK ( <a href="#">MERTK Products</a> )
Background:	MERTK is a member of the MER/AXL/TYRO3 receptor kinase family and a transmembrane

## Target Details

protein with two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in MERTK gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP).

Molecular Weight: 110249

Gene ID: 10461

NCBI Accession: [NP\\_006334](#)

UniProt: [Q12866](#)

Pathways: [RTK Signaling](#)

## Application Details

Application Notes: IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~10. FC: 1:10~50

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

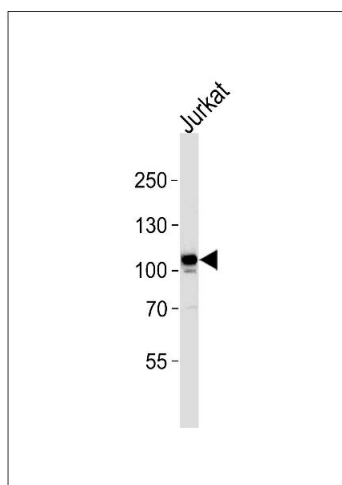
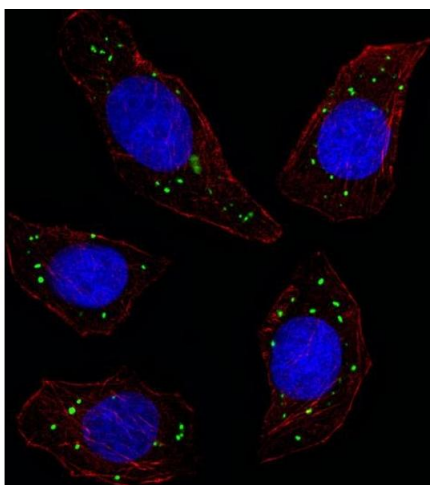
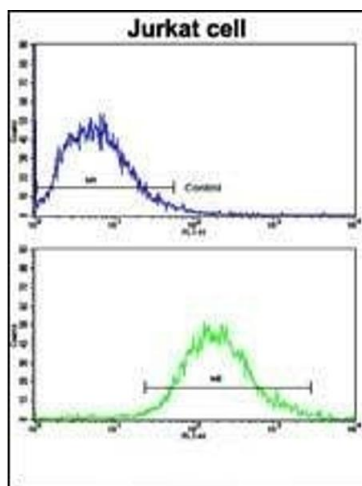
Preservative: Sodium azide

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

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



### Flow Cytometry

**Image 1.** Flow cytometric analysis of Jurkat cells using MERTK Antibody (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Immunofluorescence

**Image 2.** Fluorescent image of cell stained with MERTK Antibody (ABIN392343 and ABIN2841983)/SH090316F. cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with MERTK primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). MERTK immunoreactivity is localized to vesicles significantly.

### Western Blotting

**Image 3.** MER Antibody (ABIN392343 and ABIN2841983) western blot analysis in Jurkat cell line lysates (35 µg/lane). This demonstrates the MER antibody detected the MER protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN392343.