

Product Name: KD-Validated MERTK Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA01778

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 110.2kDa

Antigen Information

Gene Name	MERTK
Alternative Names	MERTK; MER Proto-Oncogene, Tyrosine Kinase; RP38; MER; C-Mer Proto-Oncogene Tyrosine Kinase; Receptor Tyrosine Kinase MerTK; Tyrosine-Protein Kinase Mer; Proto-Oncogene C-Mer; EC 2.7.10.1; Tyro12; C-Eyk; MER Receptor Tyrosine Kinase; STK Kinase; EC 2.7.10; TYRO12; C-Mer; C-EYK; Mer
Gene ID	10461.0
SwissProt ID	Q12866
Immunogen	A synthesized peptide derived from human MERTK

Background

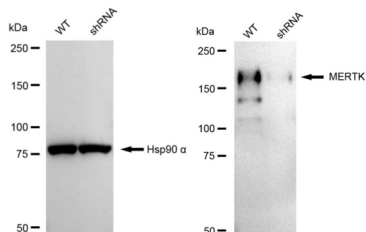
This gene is a member of the MER/AXL/TYRO3 receptor kinase family and encodes a transmembrane protein with two

fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains, and one tyrosine kinase domain. Mutations in this gene have been associated with disruption of the retinal pigment epithelium (RPE) phagocytosis pathway and onset of autosomal recessive retinitis pigmentosa (RP). [provided by RefSeq, Jul 2008]

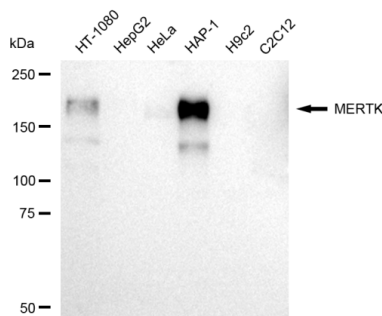
Research Area

Neuroscience, Signal Transduction, Neuroscience

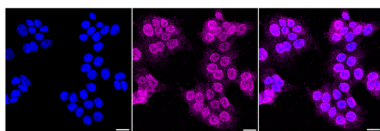
Image Data



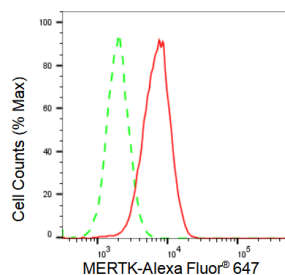
Western blotting analysis using MERTK antibody (KVA01778). MERTK expression in wild type (WT) and MERTK shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with MERTK antibody (KVA01778, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using MERTK antibody (KVA01778). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with MERTK antibody (KVA01778, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively. MERTK, MER proto-oncogene, tyrosine kinase.



Immunocytochemical staining of HAP-1 cells with MERTK antibody (KVA01778, 1:1,000). Nuclei were stained blue with DAPI; MERTK was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Flow cytometric analysis of MERTK expression in HAP-1 cells using MERTK antibody (KVA01778, 1:2,000). Green, isotype control; red, MERTK.