

For Research Use Only

MERTK Polyclonal antibody, PBS Only

Catalog Number: 27900-1-PBS



Basic Information

Catalog Number:

27900-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27540

GenBank Accession Number:

BC114918

GeneID (NCBI):

10461

UNIPROT ID:

Q12866

Full Name:

c-mer proto-oncogene tyrosine kinase

Calculated MW:

999 aa, 110 kDa

Observed MW:

160-180 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

MerTK (Mer tyrosine kinase), also known as RP38, c-Eyk, c-mer, and Tyro12, was first cloned from a human B lymphoblastoid expression library (PMID:8086340) and is one of the TAM (Tyro-3, Axl, and MerTK) receptor tyrosine kinase (RTK) family (PMID:23833304). Although this RTK, like others, can promote tumor cell proliferation to some extent, MERTK primarily lends tumor cells crucial survival advantages while promoting invasion, migration and metastasis, drug resistance, and, in the innate immune system, suppressing anti-tumor immunity (PMID:32417270). The multiple MERTK species observed are likely due to posttranslational modifications (PMID: 23585477).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

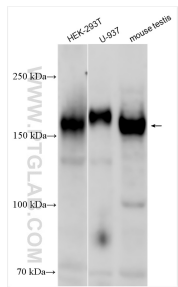
T: 4006900926

E: Proteintech-CN@ptglab.com

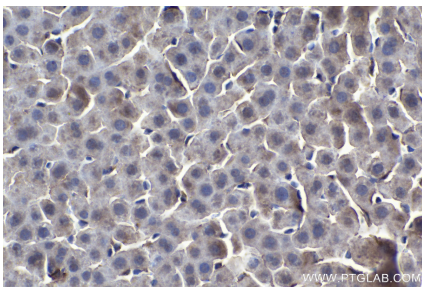
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

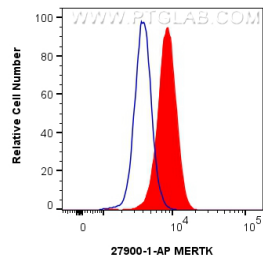
Selected Validation Data



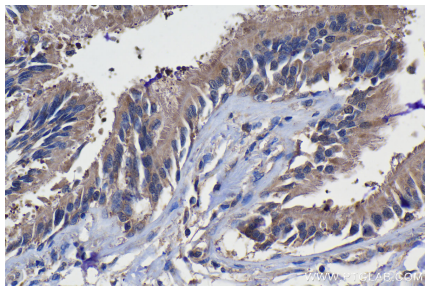
Various lysates were subjected to SDS PAGE followed by western blot with 27900-1-AP (MERTK antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27900-1-PBS in a different storage buffer formulation.



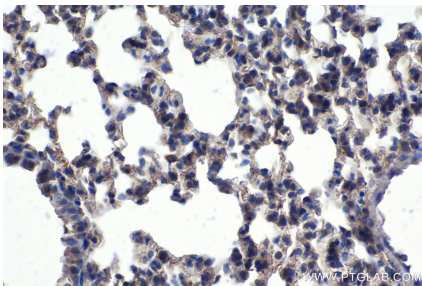
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 27900-1-AP (MERTK antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27900-1-PBS in a different storage buffer formulation.



1x10⁶ Jurkat cells were intracellularly stained with 0.25 ug MERTK Polyclonal antibody (27900-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 27900-1-PBS in a different storage buffer



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 27900-1-AP (MERTK antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27900-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 27900-1-AP (MERTK antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27900-1-PBS in a different storage buffer formulation.