For Research Use Only

ENOSF1 Recombinant antibody

Catalog Number:83769-2-RR

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Basic Information

Catalog Number:
83769-2-RR

Size:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34665

GenBank Accession Number:
BC001285

GeneID (NCBI):
55556

UNIPROT ID:
Q7L5Y1

Full Name:
enolase superfamily member 1

Calculated MW:
50 kDa

Observed MW:
49 kDa

Purification Method:
Protein A purification

CloneNo.:
240796D2

Recommended Dilutions:
WB 1:2000-1:10000

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : HeLa cells, K-562 cells, MCF-7 cells

Background Information

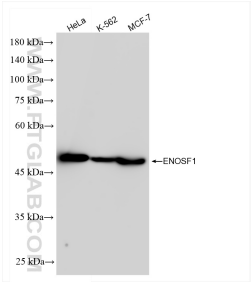
ENOSF1 (Mitochondrial enolase superfamily member 1) is also named as RTS and TYMSAS. The ENOSF1 gene, responsible for encoding the protein mitochondrial enolase superfamily member 1 (ENOF1), exhibits three distinct isoforms. One of these isoforms has been identified as an l-fuconate dehydratase, actively participating in the catabolism of L-fucose, a sugar integral to the carbohydrate composition of cellular glycoproteins (PMID: 38203276). The ENOSF1 transcript has been shown to act as antisense RNA and inhibit TYMS expression (PMID: 35931051).

Storage

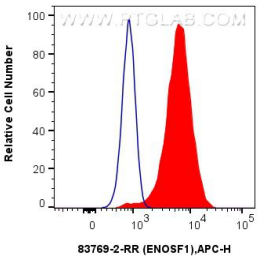
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

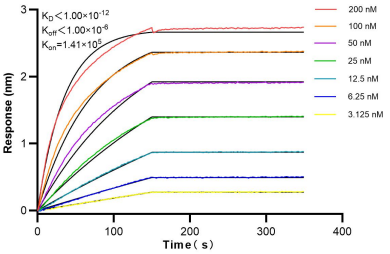
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83769-2-RR (ENOSF1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



1x10^6 Hela cells were intracellularly stained with 0.25 ug ENOSF1 Recombinant antibody (83769-2-RR, Clone:240796D2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83769-2-RR against Human ENOSF1 were performed. The affinity constant is below 1 pM.