

For Research Use Only

Phospho-EPHA2 (Tyr588) Recombinant monoclonal antibody

Catalog Number: 87445-2-RR



Basic Information

Catalog Number:

87445-2-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC037166

GeneID (NCBI):

1969

UNIPROT ID:

P29317

Full Name:

EPH receptor A2

Calculated MW:

976 aa, 108 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

251723A6

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MG132 treated HepG2 cells,

Background Information

Ephrin type-A receptor 2 (EPHA2), belongs to the receptor tyrosine kinases (RTKs) family, that binds promiscuously membrane-bound ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. Research studies have shown that Eph receptors and ligands may be involved in many diseases including cancer (PMID: 11114742). The "reverse signaling" function, whereby the cytoplasmic domain becomes tyrosine phosphorylated, allows interactions with other proteins that may activate signaling pathways in the ligand-expressing cells. The detected molecular weight is around 110 kDa.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

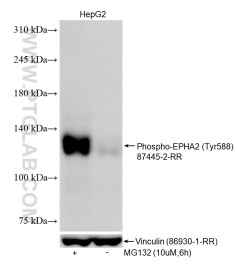
For technical support and original validation data for this product please contact:

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Selected Validation Data



Non-treated HepG2 cells and MG132 treated HepG2 cells were subjected to SDS PAGE followed by western blot with 87445-2-RR (Phospho-EPHA2 (Tyr588) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Vinculin (86930-1-RR) antibody as a loading control.