

# Phospho-EPHA2-S897 Rabbit mAb

Catalog No.: AP1516 **Recombinant**

## Basic Information

**Observed MW**

130KD

**Calculated MW**

108kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IF/ICC

**Cross-Reactivity**

Human, Mouse

**CloneNo number**

ARC64633

## Background

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.

## Recommended Dilutions

**WB** 1:500 - 1:1000**IF/ICC** 1:50 - 1:200

## Immunogen Information

**Gene ID**

1969

**Swiss Prot**

P29317

**Immunogen**

A synthetic phosphorylated peptide around S897 of human EPHA2 (NP\_004422.2).

**Synonyms**

ECK; CTPA; ARCC2; CTPP1; CTRCT6; Phospho-EPHA2-S897

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

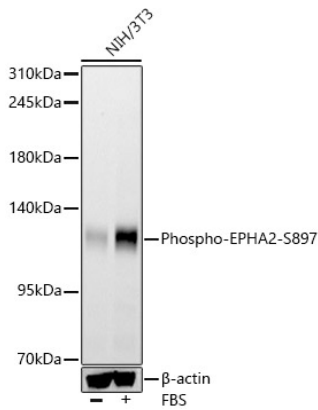
Affinity purification

**Storage**

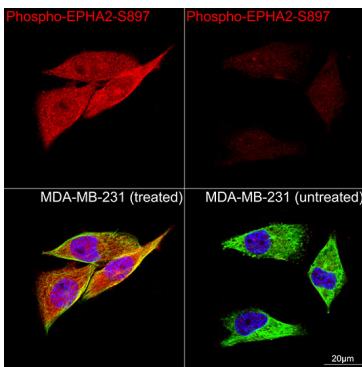
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

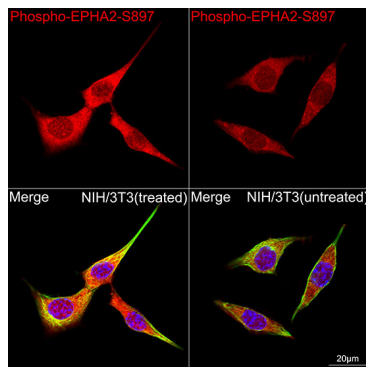
## Validation Data



Western blot analysis of lysates from NIH/3T3 cells using Phospho-EPHA2-S897 (AP1516) at 1:1000 dilution. NIH/3T3 cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.



Confocal imaging of MDA-MB-231 cells (treated with FBS) and MDA-MB-231 cells (untreated) using Phospho-EPHA2-S897 Rabbit mAb (AP1516, at dilution of 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH-3T3 cells (treated with FBS) and NIH-3T3 cells (untreated) using Phospho-EPHA2-S897 Rabbit mAb (AP1516, at dilution of 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.