Leader in Biomolecular Solutions for Life Science

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# 14-3-3 epsilon Rabbit pAb

**Catalog No.: A1058**

## Basic Information

**Observed MW**
29-32Kda

**Calculated MW**
26kDa/29kDa

**Category**
Primary antibody

**Applications**
WB,IF/ICC

**Cross-Reactivity**
Human, Mouse, Rat

## Background

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:2000 |
| **IF/ICC** | 1:50 - 1:200 |

## Immunogen Information

**Gene ID**
7531

**Swiss Prot**
P62258

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 73-163 of human 14-3-3 epsilon (NP_006752.1).

**Synonyms**
YWHAE;14-3-3E;HEL2;KCIP-1;MDCR;MDS

## Contact

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## Product Information

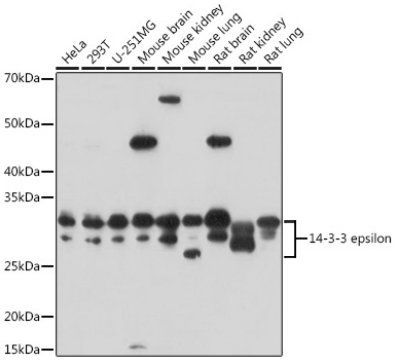
**Source**
Rabbit

**Isotype**
IgG

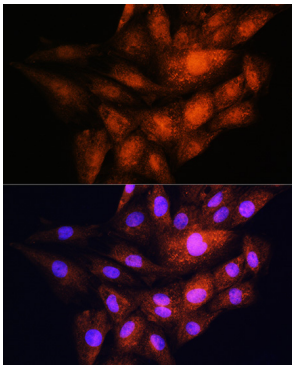
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.

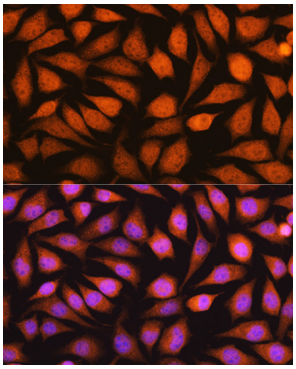
## Validation Data



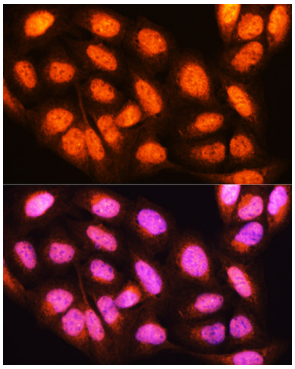

Western blot analysis of extracts of various cell lines, using 14-3-3 epsilon antibody (A1058) at 1:3000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of H9C2 cells using 14-3-3 epsilon antibody (A1058) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using 14-3-3 epsilon antibody (A1058) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using 14-3-3 epsilon antibody (A1058) at dilution of 1:100. Blue: DAPI for nuclear staining.