

## 14-3-3 Theta Rabbit mAb

Catalog No: #49213

Package Size: #49213-1 50ul #49213-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

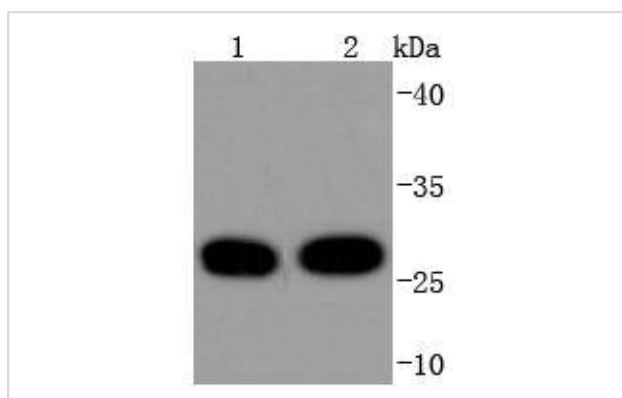
## Description

Product Name	14-3-3 Theta Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SD084-02
Purification	ProA affinity purified
Applications	WB, ICC/IF, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	14-3-3 antibody 14-3-3 protein T-cell antibody 14-3-3 protein tau antibody 14-3-3 protein theta antibody 1C5 antibody HS1 antibody theta polypeptide antibody tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein antibody tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta isoform antibody tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide antibody
Accession No.	Swiss-Prot#:P27348
Uniprot	P27348
GeneID	10971;
Calculated MW	28 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

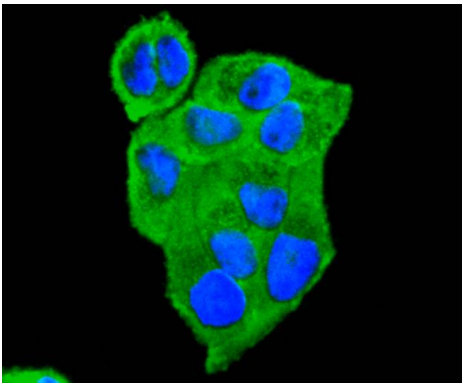
## Application Details

WB: 1:1,000-5,000 ICC: 1:100-1:500 FC: 1:50-1:100

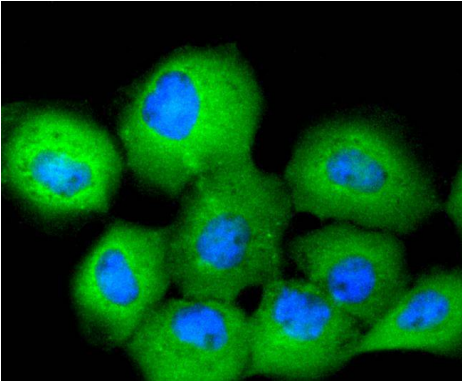
## Images



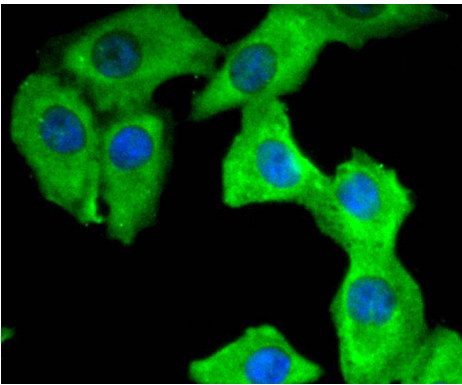
Western blot analysis of 14-3-3 Theta on different lysates using anti-14-3-3 Theta antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: MCF-7



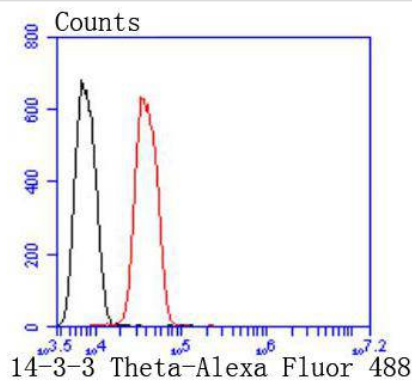
ICC staining 14-3-3 Theta in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining 14-3-3 Theta in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining 14-3-3 Theta in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY-5Y cells with 14-3-3 Theta antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## Background

14-3-3 proteins regulate many cellular processes relevant to cancer biology, notably apoptosis, mitogenic signaling and cell-cycle checkpoints. Seven isoforms comprise this family of signaling intermediates, denoted 14-3-3  $\beta$ ,  $\gamma$ ,  $\epsilon$ ,  $\zeta$ ,  $\eta$ ,  $\theta$  and  $\sigma$ . 14-3-3 proteins form dimers that present two binding sites for ligand proteins, thereby bringing together two proteins that may not otherwise associate. These ligands largely share a 14-3-3 consensus binding motif and exhibit serine/threonine phosphorylation. 14-3-3 proteins function in broad regulation of these ligand proteins, by cytoplasmic sequestration, occupation of interaction domains and import/export sequences, prevention of degradation, activation/repression of enzymatic activity and facilitation of protein modification, and thus loss of expression contributes to a vast array of pathogenic cellular activities.

## References

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Note: This product is for in vitro research use only