

## Product datasheet for TA301660

### 14 3 3 gamma (YWHAG) Mouse Monoclonal Antibody [Clone ID: KC21]

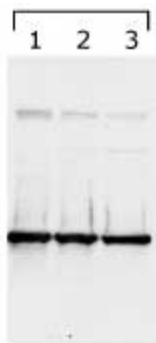
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	KC21
Applications:	IF, WB
Recommend Dilution:	WB: 1:3000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	This antibody was raised against an N-terminal fragment of human 14-3-3 gamma where the N-terminal Val was acetylated.
Formulation:	PBS with 0.05% Sodium Azide
Purification:	Protein G purified
Gene Name:	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma
Database Link:	<a href="#">NP_036611 Entrez Gene 7532 Human</a>
Background:	14-3-3 proteins are present as multigene families in most organisms. Signal-induced phosphorylation has the ability to change protein function. Sometimes, however, phosphorylation is not enough to change a protein's function. 14-3-3 proteins play an important role of bringing signal transduction to completion. They regulate many cellular processes that are important in cancer biology, such as apoptosis and cell-cycle checkpoints.
Synonyms:	14-3-3GAMMA; PPP1R170
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis

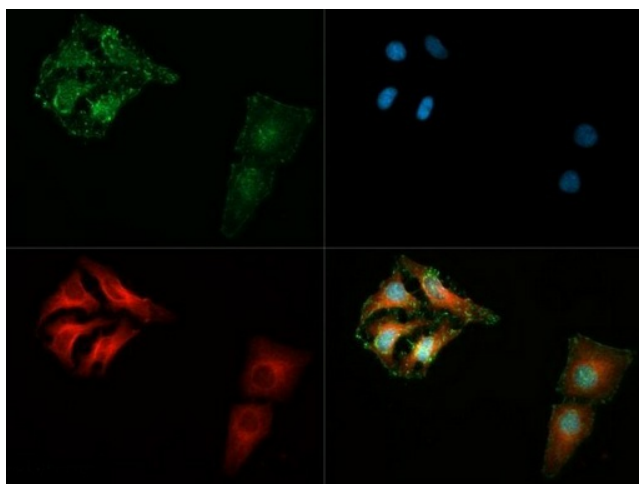


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## Product images:



14-3-3 gamma detected in lysates. Lane 1: HeLa cell lysates, Lanes 2 and 3: bengamide treated lysates (8h and 24h, respectively).



Immunocytochemistry/Immunofluorescence: 14-3-3 gamma [ac Val2] antibody was tested in SH-SY5Y cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red).