

14-3-3 GAMMA-Specific Polyclonal Antibody

Catalog number: 12381-1-AP

Size: 20 µg/150 µl

Source: Rabbit

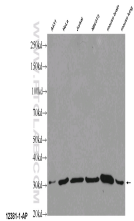
Isotype: IgG

Synonyms:

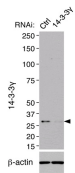
YWHAG; 14 3 3 protein gamma,

14 3 3GAMMA, 14-3-3, 14-3-3

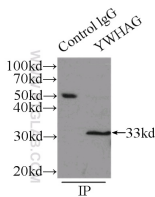
GAMMA, KCIP 1, YWHAG



A431 cells were subjected to SDS PAGE followed by western blot with 12381-1-AP (14 3 3GAMMA Antibody) at dilution of 1:600



RNAi result of 12381-1-AP (anti-14-3-3G) in Mouse IMCD3 cells From Dr.Seongjin Seo.



IP Result of anti-14 3 3GAMMA (IP:12381-1-AP, 3µg; Detection:12381-1-AP 1:800) with mouse brain tissue lysate 8000ug.

Background

14-3-3 gamma (also known as YWHAG) is a member of 14-3-3 proteins which were the first phosphoserine/phosphothreonine-binding proteins to be discovered. 14-3-3 family members interact with a wide spectrum of proteins and possess diverse functions. Mammals express seven distinct 14-3-3 isoforms (gamma, epsilon, beta, zeta, sigma, theta, tau) that form multiple homo- and hetero- dimers. 14-3-3 proteins display the highest expression levels in the brain, and have been implicated in several neurodegenerative diseases, including Alzheimer's disease and amyotrophic lateral sclerosis. This antibody specifically recognizes gamma isoform of 14-3-3.

Applications

Tested applications:	ELISA, IP, WB, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat, Dog; other species not tested.
Cited species:	Human
Calculated 14-3-3 GAMMA-Specific MW:	247aa, 28 kDa
Observed 14-3-3 GAMMA-Specific MW:	28-33 kDa
Positive WB detected in	Mouse IMCD3 cells (RNAi), A431 cells, human brain tissue, Jurkat cells, K-562 cells, NIH/3T3 cells, U-937 cells
Positive IP detected in	Mouse brain tissue
Positive IF detected in	MDCK cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:2000 IF: 1:10-1:100

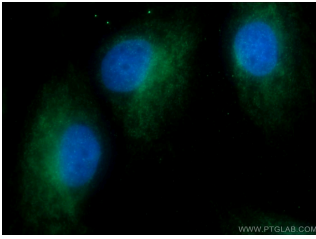
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3047
GenBank accession number:	BC020963
Gene ID (NCBI):	7532
Full name:	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunofluorescent analysis
of MDCK cells using 12381-1-
AP(14 3 3GAMMA Antibody)
at dilution of 1:25 and Alexa
Fluor 488-conjugated
AffiniPure Goat Anti-Rabbit
IgG(H+L)**