

Product datasheet for TA383424S

OriGene Technologies, Inc.

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14-3-3 zeta (YWHAZ) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: ELISA, ICC/IF, IHC, WB

Recommended Dilution: WB,1:500 - 1:2000

IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200

ELISA,Recommended starting concentration is 1 μg/mL. Please optimize the concentration

based on your specific assay requirements.

Reactivity: Human, Mouse, Rat

Modifications: Unmodified

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Formulation: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Concentration: lot specific

Purification: Affinity purification

Conjugation: Unconjugated

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

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 28kDa

Gene Name: tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta

Database Link: Entrez Gene 7534 Human

P63104

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 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that

encode the same protein have been identified for this gene.

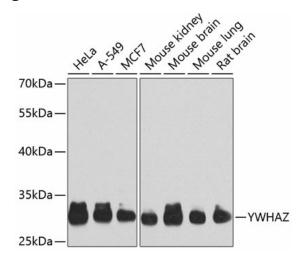




Synonyms:

14-3-3-zeta; KCIP-1; MGC111427; MGC126532; MGC138156; OTTHUMP00000165851; OTTHUMP00000165858

Product images:

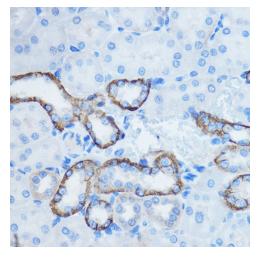


Western blot analysis of various lysates using YWHAZ Rabbit pAb ([TA383424]) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane.

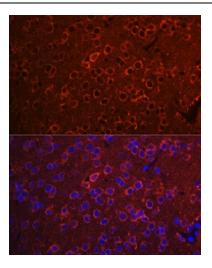
Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Immunohistochemistry analysis of paraffinembedded Rat kidney using YWHAZ Rabbit pAb ([TA383424]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.





Immunofluorescence analysis of paraffinembedded Rat brain using YWHAZ Rabbit pAb ([TA383424]) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.