

Rabbit 14-3-3 zeta/delta Polyclonal Antibody | anti-14-3-3 zeta/delta antibody

Anti-14-3-3 zeta/delta Picoband antibody

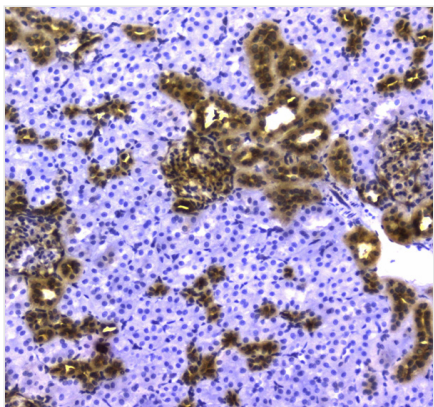
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19144	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

14-3-3 zeta/delta; Polyclonal Antibody; Anti-14-3-3 zeta/delta Picoband antibody; 14-3-3 protein zeta/delta; Protein kinase C inhibitor protein 1; KCIP-1; YWHAZ; anti-14-3-3 zeta/delta antibody

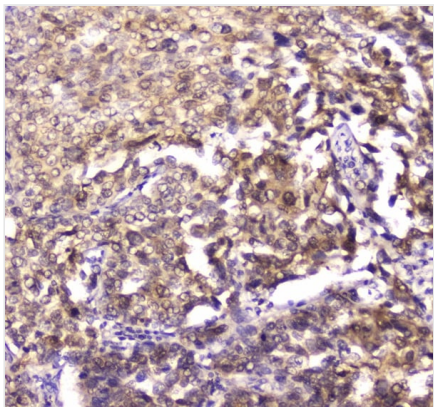
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	170
Applicable Applications for anti-14-3-3 zeta/delta antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5µg/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1µg/ml
Immunogen	A synthetic peptide corresponding to a sequence of human 14-3-3 zeta/delta (LLEKFLIPNASQAESKVFYLMKGDYYRYLA EVAAGDDKKGIVDQ).
Subcellular Localization	Cytoplasm.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500µg/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



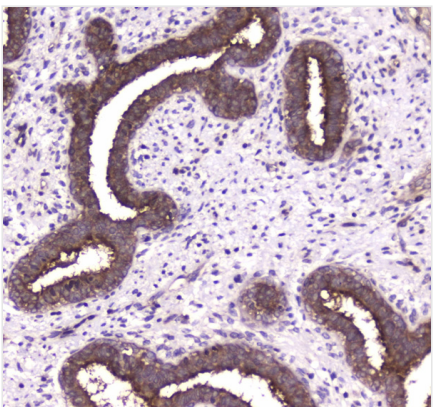
IHC (Immunohistochemistry)

Figure 6. IHC analysis of 14-3-3 zeta/delta using anti-14-3-3 zeta/delta antibody (AAA19144).14-3-3 zeta/delta was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-14-3-3 zeta/delta Antibody (AAA19144) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



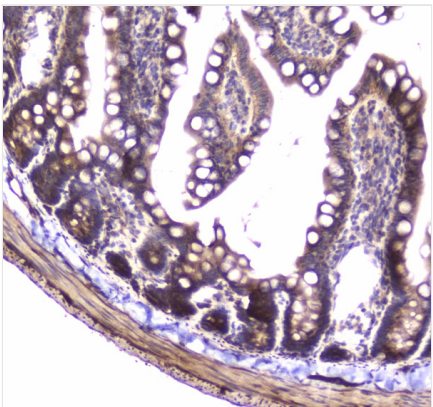
IHC (Immunohistochemistry)

Figure 4. IHC analysis of 14-3-3 zeta/delta using anti-14-3-3 zeta/delta antibody (AAA19144).14-3-3 zeta/delta was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-14-3-3 zeta/delta Antibody (AAA19144) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



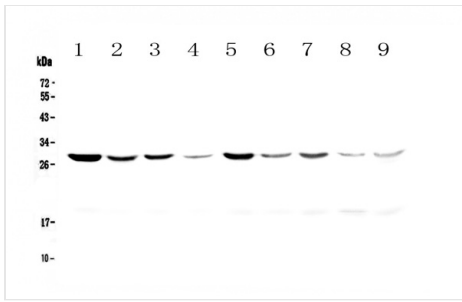
IHC (Immunohistochemistry)

Figure 5. IHC analysis of 14-3-3 zeta/delta using anti-14-3-3 zeta/delta antibody (AAA19144).14-3-3 zeta/delta was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-14-3-3 zeta/delta Antibody (AAA19144) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



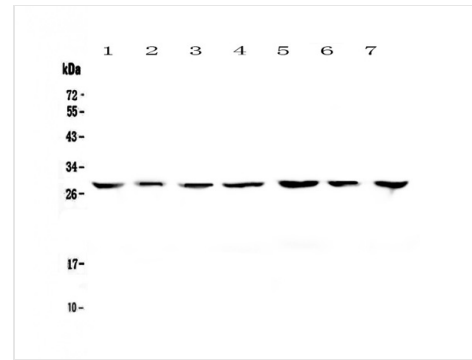
IHC (Immunohistochemistry)

Figure 3. IHC analysis of 14-3-3 zeta/delta using anti-14-3-3 zeta/delta antibody (AAA19144).14-3-3 zeta/delta was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-14-3-3 zeta/delta Antibody (AAA19144) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 2. Western blot analysis of 14-3-3 zeta/delta using anti-14-3-3 zeta/delta antibody (AAA19144). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: rat spleen tissue lysates, Lane 3: rat lung tissue lysates, Lane 4: rat liver tissue lysates, Lane 5: mouse brain tissue lysates, Lane 6: mouse spleen tissue lysates, Lane 7: mouse lung tissue lysates, Lane 8: mouse liver tissue lysates, Lane 9: mouse kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-14-3-3 zeta/delta antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for 14-3-3 zeta/delta at approximately 28KD. The expected band size for 14-3-3 zeta/delta is at 28KD.



WB (Western Blot)

Figure 1. Western blot analysis of 14-3-3 zeta/delta using anti-14-3-3 zeta/delta antibody (AAA19144). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human placenta tissue lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human A549 whole cell lysates, Lane 5: human PANC-1 whole cell lysates, Lane 6: human SK-OV-3 whole cell lysates, Lane 7: human 22RV1 whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-14-3-3 zeta/delta antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for 14-3-3 zeta/delta at approximately 28KD. The expected band size for 14-3-3 zeta/delta is at 28KD.

ADDITIONAL INFORMATION

Related Product Information for anti-14-3-3 zeta/delta antibody

Description: 14-3-3 protein zeta/delta (14-3-3zeta) is a protein that in humans is encoded by the YWHAZ gene on chromosome 8. 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.

Protein Function: Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.

NCBI AND UNIPROT INFORMATION

NCBI GI #	208973238
NCBI GeneID	7534
NCBI Accession #	NP_001129171.1
NCBI GenBank Nucleotide #	NM_001135699.1
UniProt Accession #	P63104; P29213; P29312; Q32P43; Q5XJ08; Q6GPI2; Q6IN74; Q6NUR9; Q6P3U9; Q86V33; A8K1N0; B7Z465
Molecular Weight	19,333 Da
NCBI Official Full Name	14-3-3 protein zeta/delta
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta
NCBI Official Symbol	YWHAZ
NCBI Official Synonym Symbols	HEL4; YWHAD; KCIP-1; HEL-S-3; HEL-S-93; 14-3-3-zeta
NCBI Protein Information	14-3-3 protein zeta/delta
UniProt Protein Name	14-3-3 protein zeta/delta

UniProt Gene Name	YWHAZ
UniProt Synonym Gene Names	KCIP-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/14-3-3-zeta-delta-antibody-immunohistochemistry-western-blot-elisa/19144>