

Anti-AdSS 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

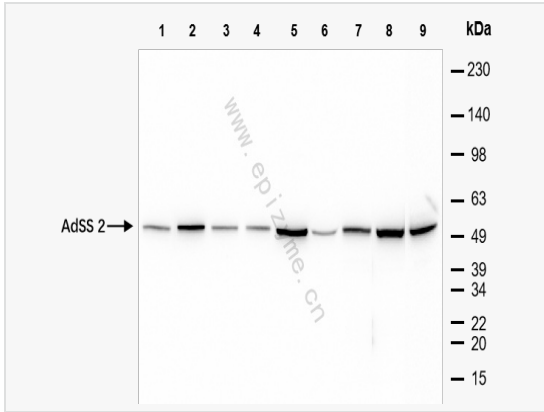
Catalog # R012091

Product Information

Application	IHC-P/IF (Tissue-P), ELISA, WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	69M29K66
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human AdSS 2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-AdSS 2 antibody [69M29K66] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	acidic isozyme, ADEH, Adenylosuccinate synthetase (Ade(-)H complementing), Adenylosuccinate synthetase acidic isozyme, Adenylosuccinate synthetase, Adenylosuccinate synthetase isozyme 2, Adenylosuccinate synthetase liver isozyme, AdSS 2, ADSS, AMPSase 2, IMP--aspartate ligase 2, L-type adenylosuccinate synthetase, liver isozyme, PURA2_HUMAN.
Calculated MW	Calculated MW: 50 kDa; Observed MW: 50 kDa
Uniprot ID	P30520
Gene ID	159
Background	Plays an important role in the de novo pathway and in the salvage pathway of purine nucleotide biosynthesis. Catalyzes the first committed step in the biosynthesis of AMP from IMP.
Cellular Location	Cytoplasm. Partially associated with particulate fractions.



Western Blot - Anti-AdSS 2 Rabbit mAb [69M29K66]

All lanes: R012091 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 3: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 5: Rat heart whole tissue lysates

Lane 6: Rat brain whole tissue lysates

Lane 7: Rat spleen whole tissue lysates

Lane 8: Mouse kidney whole tissue lysates

Lane 9: Mouse muscle whole tissue lysates

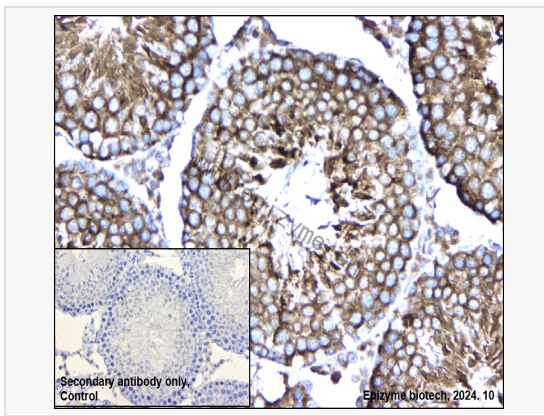
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 50 kDa

Observed band size: 50 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-AdSS 2 Rabbit mAb [69M29K66]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012091 at 1:200 dilution

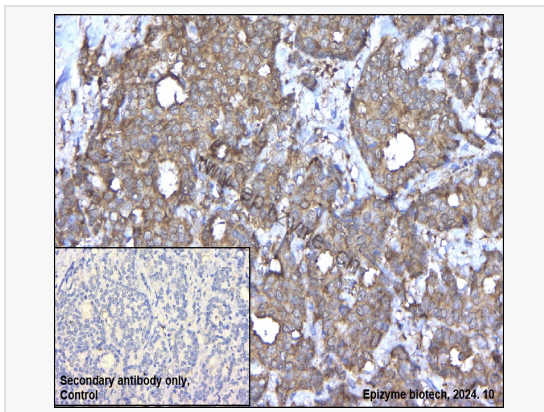
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-AdSS 2 Rabbit mAb [69M29K66]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012091 at 1:200 dilution

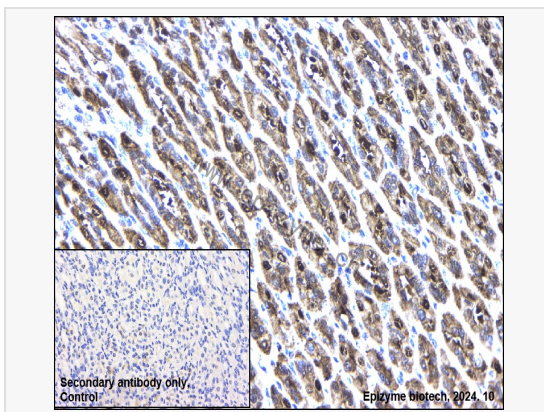
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-AdSS 2 Rabbit mAb [69M29K66]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse stomach tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012091 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.