

Anti-alpha 2 Macroglobulin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

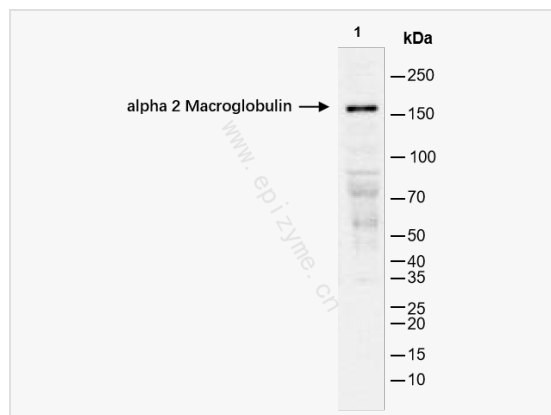
Catalog # R014047

Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	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.	95P27C35
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human alpha 2 Macroglobulin
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-alpha 2 Macroglobulin Rabbit mAb [95P27C35] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	A2m, A2MG_HUMAN, Alpha 2 M, Alpha 2M, Alpha-2-M, Alpha-2-macroglobulin, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5, CPAMD5, DKFZp779B086, FWP007, S863 7.
Calculated MW	Calculated MW: 163 kDa; Observed MW: 163 kDa
Uniprot ID	P01023
Gene ID	2
Background	The protein encoded by this gene is a protease inhibitor and cytokine transporter. It uses a bait-and-trap mechanism to inhibit a broad spectrum of proteases, including trypsin, thrombin and collagenase. It can also inhibit inflammatory cytokines, and it thus disrupts inflammatory cascades. Mutations in this gene are a cause of alpha-2-macroglobulin deficiency. This gene is implicated in Alzheimer's disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. A related pseudogene, which is also located on the p arm of chromosome 12, has been identified. [provided by RefSeq, Nov 2016]
Cellular Location	Secreted.
Tissue Location	Secreted in plasma.



Western Blot - Anti-alpha 2 Macroglobulin Rabbit mAb [95P27C35]

All lanes: R014047 at 1:1,000 dilution

Lane 1: Rat kidney whole tissue lysates

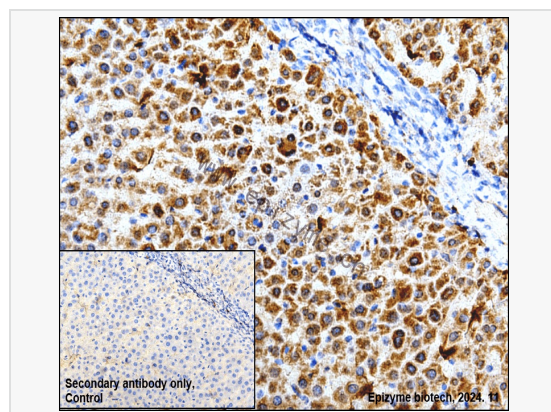
Lysates/proteins at 10 µg per lane.

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

Predicted band size: 163 kDa

Observed band size: 163 kDa

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



Immunohistochemistry - Anti-alpha 2 Macroglobulin Rabbit mAb [95P27C35]

Sample: Paraformaldehyde-fixed, paraffin embedded rat liver tissue

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

Primary antibody: R014047 at 1:200 dilution

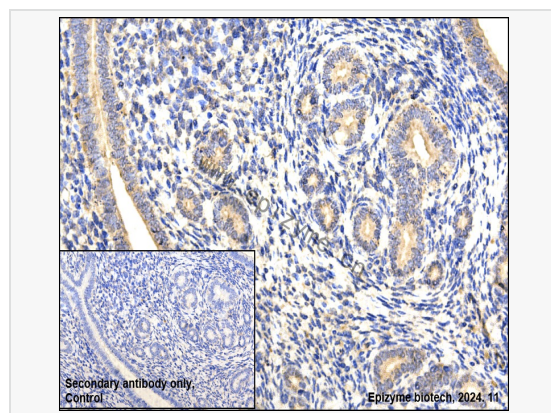
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

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-alpha 2 Macroglobulin Rabbit mAb [95P27C35]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse uterus tissue

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

Primary antibody: R014047 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.