

Alpha-2-Macroglobulin (A2M) Rabbit pAb

Catalog No.: A16336

Basic Information

Observed MW

Refer to figures

Calculated MW

163kDa

Category

Primary antibody

Applications

WB, IHC-P, ELISA

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:500 - 1:2000**IHC-P** 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

2

Swiss Prot

P01023

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

A2MD; CPAMD5; FWP007; S863-7; Alpha-2-Macroglobulin (A2M)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

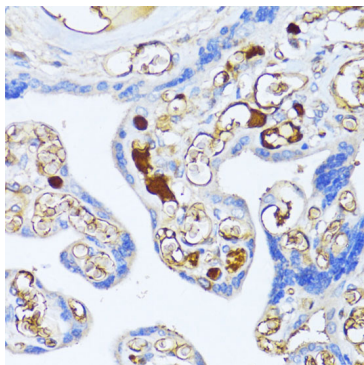
Purification

Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.



Immunohistochemistry analysis of paraffin-embedded Human placenta using Alpha-2-Macroglobulin (A2M) Rabbit pAb (A16336) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.