

Rabbit anti-Human A2M Monoclonal Antibody | anti-A2M antibody

A2M Antibody

CATALOG # AAA312475	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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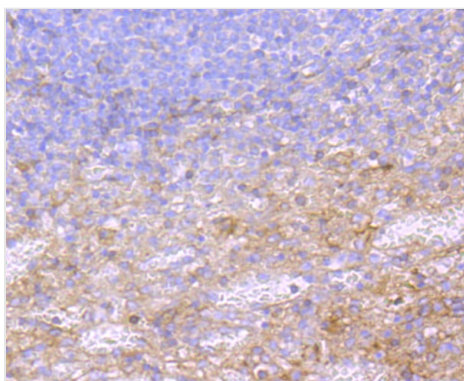
PRODUCT SYNONYMS

A2M; Monoclonal Antibody; A2M Antibody; A2m antibody; A2MG_HUMAN antibody; Alpha 2 M antibody; Alpha 2M antibody; Alpha-2-M antibody; Alpha-2-macroglobulin antibody; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5 antibody; CPAMD5 antibody; DKFZp779B086 antibody; FWP007 antibody; S863 7 antibody; anti-A2M antibody

PRODUCT SPECIFICATIONS

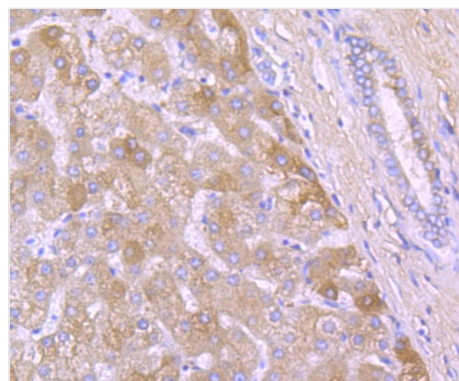
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JM81-41
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-A2M antibody	IHC (Immunohistochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



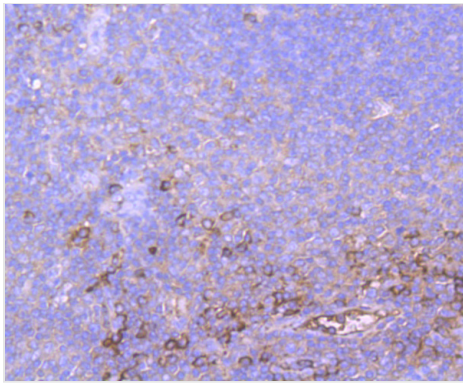
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti- A2M antibody. Counter stained with hematoxylin.



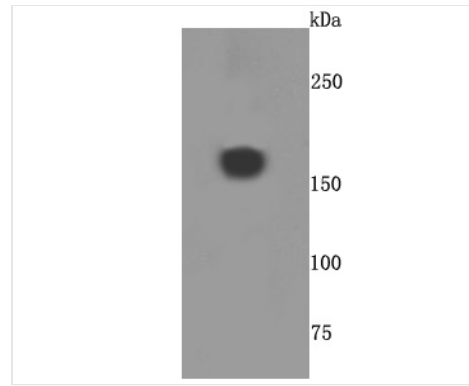
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti- A2M antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti- A2M antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of A2M on human placenta cells lysates using anti-A2M antibody at 1/500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-A2M antibody

alpha-2-Macroglobulin (alpha-2M) is a homotetrameric serum protein consisting of four identical subunits that form dimers through disulfide bonds. Initially, alpha-2M was characterized as a pan-proteinase inhibitor that was able to "bait" proteinases into cleaving specific peptide sequences on alpha-2M. This interaction induces a conformational change in alpha-2M, thus enabling it to "trap" the proteinase and further inhibit its activity. Subsequently, alpha-2M has been shown to function as a carrier protein and regulator of cytokines during inflammation. Circulating transforming growth factor beta (TGFbeta) in serum is primarily bound to alpha-2M, which renders TGFbeta inactive. alpha-2M also binds to IL-6 and, thereby, increases the concentration of IL-6 near lymphocytes, hepatocytes and stem cells involved in mediating the inflammatory cascade. Mutations and deletions in the gene encoding alpha-2M are associated with an increased incidence of Alzheimer's Disease (AD), which is consistent with the role of alpha-2M in mediating the clearance and degradation of A beta , the major component of beta-Amyloid deposits accumulated during AD.

Product Categories/Family for anti-A2M antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	66932947
NCBI GeneID	2
NCBI Accession #	NP_000005.2
NCBI GenBank Nucleotide #	NM_000014.4
UniProt Accession #	P01023; Q13677; Q59F47; Q5QTS0; Q68DN2; Q6PIY3; Q6PN97
Molecular Weight	163,291 Da
NCBI Official Full Name	alpha-2-macroglobulin
NCBI Official Synonym Full Names	alpha-2-macroglobulin
NCBI Official Symbol	A2M
NCBI Official Synonym Symbols	A2MD; CPAMD5; FWP007; S863-7
NCBI Protein Information	alpha-2-macroglobulin; alpha-2-M; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 5
UniProt Protein Name	Alpha-2-macroglobulin
UniProt Gene Name	A2M
UniProt Synonym Gene Names	CPAMD5; Alpha-2-M
UniProt Entry Name	A2MG_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/a2m-antibody-clone-jm81-41-immunohistochemistry-western-blot-elisa/312475>