

Product Datasheet

Alpha-2-Macroglobulin Antibody / A2M (orb2644474)

Catalog Number	orb2644474
Category	Antibodies
Description	Alpha-2-Macroglobulin (A2M) is a homotetrameric serum protein consisting of four identical subunits that form dimers through disulfide bonds. Initially, it was characterized as a pan-proteinase inhibitor that was able to bait proteinases into cleaving specific peptide sequences on A2M. This interaction induces a conformational change, thus enabling it to trap the proteinase and further inhibit its activity. Subsequently, A2M has been shown to function as a carrier protein and regulator of cytokines during inflammation.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG2c, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein G affinity chromatography
Immunogen	A portion of amino acids 604-748 from the human protein was used as the immunogen for the Alpha-2-Macroglobulin antibody.
UniProt ID	P01023
Tested applications	IHC-P

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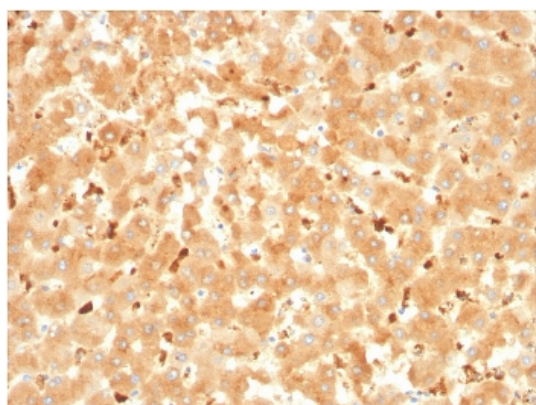
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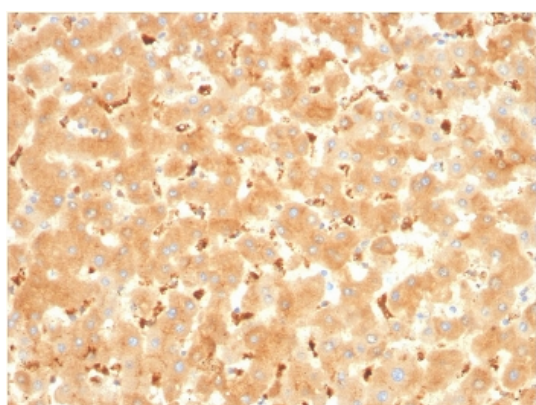
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Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Application notes	Optimal dilution of the Alpha-2-Macroglobulin antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	A2M/3621
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC staining of FFPE human liver with Alpha-2-Macroglobulin antibody. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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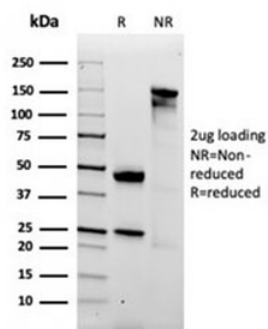
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SDS-PAGE analysis of purified, BSA-free Alpha-2-Macroglobulin antibody as confirmation of integrity and purity.

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